SERVICE MANUAL

Ver 1.1 2001, 04

US Model Canadian Model CDX-CA850X/CA860X

> AFP Model UK Model CDX-CA850



Photo: CDX-CA850X

• The tuner and CD sections have no adjustments.

AUDIO POWER SPECIFICATIONS (US Model)

POWER OUTPUT AND TOTAL HARMONIC DISTORTION 23.2 watts per channel minimum continuous average power into 4 ohms, 4 channels driven from 20 Hz to 20 kHz with no more

than 5% total harmonic distortion.

CD player section

90 dB Signal-to-noise ratio 10 - 20,000 Hz Frequency response Below measurable limit Wow and flutter Laser Diode Properties (US, Canadian Model)

GaAlAs Material Wavelength 780 nm **Emission Duration** Continuous Less than 44.6 uW* Laser output power * This output is the value measured at a distance of 200 mm from the objective lens surface on the

Optical Pick-up Block.

Tuner section

Tuning range 87.5 - 107.9 MHz (US, Canadian model) 87.5 - 108.0 MHz (AEP, UK model)

External Antenna connector Antenna terminal 10.7 MHz/450 kHz

Intermediate frequency Usable sensitivity 8 dBf

Selectivity 75 dB at 400 kHz Signal-to-noise ratio 66 dB (stereo), 72 dB (mono)

Harmonic distortion at 1 kHz

0.6% (stereo), 0.3% (mono)

Separation 35 dB at 1 kHz Frequency response 30 - 15,000 Hz

AM (US, Canadian model)

530 – 1,710 kHz (US, Canadian model) Tuning range

Antenna terminal External Antenna connector

Intermediate frequency 10.7 MHz/450 kHz

Sensitivity

MW/LW (AEP, UK model)

Aerial terminal

MW: 531 - 1,602 kHz Tuning range

LW: 153 - 279 kHz External Aerial connector Intermediate frequency 10.7 MHz/450 kHz

MW: 30 μV

LW: 40 μV

9-870-291-12 **Sony Corporation**

2001D0400-1 e Vehicle Company

© 2001. 4 **Shinagawa Tec Service Manual Production Group**

Model Name Using Similar Mechanism	CDX-C5000R
CD Drive Mechanism Type	MG-383Z-121//Q
Optical Pick-up Name	KSS-720A

SPECIFICATIONS

Power amplifier section

Outputs Speaker outputs (sure seal connectors)

Speaker impedance 4 - 8 ohms Maximum power output 52 W × 4 (at 4 ohms)

General

Outputs Audio outputs (front/rear)

Subwoofer output (mono) Power Antenna relay control lead Power amplifier control lead

Telephone ATT control lead Inputs Illumination control lead

Bus control input connector Bus audio input connector Remote controller input connector Antenna input connector

Tone controls Bass ±10 dB at 62 Hz (US, Canadian model)

Bass ± 8 dB at 100 Hz (AEP, UK model) Treble ±10 dB at 16 kHz (US, Canadian model) Treble ± 8 dB at 10 kHz (AEP, UK model)

Loudness +8 dB at 100 Hz +2 dB at 10 kHz Power requirements 12 V DC car battery

(negative ground)

- Continued on next page -

FM/MW/LW COMPACT DISC PLAYER

FM/AM COMPACT DISC PLAYER

CDX-CA850X/CA860X



 $\begin{array}{ll} \text{Dimensions} & \text{Approx. } 178 \times 50 \times 177 \text{ mm} \\ & (7 \ 1/8 \times 2 \times 7 \text{ in.}) \ (\text{w/h/d}) \\ \text{Mounting dimensions} & \text{Approx. } 182 \times 53 \times 162 \text{ mm} \end{array}$

(7 1/4 × 2 1/8 × 6 1/2 in.) (w/h/d) Mass Approx. 1.3 kg

(2 lb. 10 oz.)

Supplied accessories Parts for installation and connections (1 set)

Front panel case (1) Rotary commander RM-X5S

Card remote commander RM-X112 (CDX-CA850X/CA860X)

RM-X113 (CDX-CA850)

Note

This unit cannot be connected to a digital preamplifier or an equalizer.

Design and specifications are subject to change without notice.

SERVICE NOTES

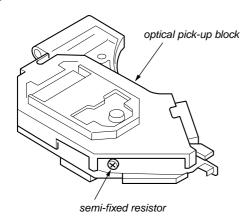
• US, Canadian model

CAUTION

Use of controls or adjustments or performance of procedures other than those specified herein may result in hazardous radiation exposure.

If the optical pick-up block is defective, please replace the whole optical pick-up block.

Never turn the semi-fixed resistor located at the side of optical pick-up block.



NOTES ON HANDLING THE OPTICAL PICK-UP BLOCK OR BASE UNIT

The laser diode in the optical pick-up block may suffer electrostatic breakdown because of the potential difference generated by the charged electrostatic load, etc. on clothing and the human body. During repair, pay attention to electrostatic breakdown and also use the procedure in the printed matter which is included in the repair parts.

The flexible board is easily damaged and should be handled with care.

SAFETY-RELATED COMPONENT WARNING!!

COMPONENTS IDENTIFIED BY MARK \triangle OR DOTTED LINE WITH MARK \triangle ON THE SCHEMATIC DIAGRAMS AND IN THE PARTS LIST ARE CRITICAL TO SAFE OPERATION. REPLACE THESE COMPONENTS WITH SONY PARTS WHOSE PART NUMBERS APPEAR AS SHOWN IN THIS MANUAL OR IN SUPPLEMENTS PUBLISHED BY SONY.

AEP, UK model

CLASS 1 LASER PRODUCT

This label is located on the bottom of the chassis.

CAUTION—INVISIBLE LASER RADIATION WHEN OPEN
DO NOT STARE INTO BEAM OR
VIEW DIRECTLY WITH OPTICAL INSTRUMENTS

This label is located on the drive unit's internal chassis.

When replacing the chassis (T.U) of mechanism deck which have the "CAUTION LABEL" attached, please be sure to put a new CAUTION LABEL (3-223-913-11) to the chassis (T.U).

NOTES ON LASER DIODE EMISSION CHECK

The laser beam on this model is concentrated so as to be focused on the disc reflective surface by the objective lens in the optical pick-up block. Therefore, when checking the laser diode emission, observe from more than 30 cm away from the objective lens.

Notes on Chip Component Replacement

- Never reuse a disconnected chip component.
- Notice that the minus side of a tantalum capacitor may be damaged by heat.

ATTENTION AU COMPOSANT AYANT RAPPORT À LA SÉCURITÉ!!

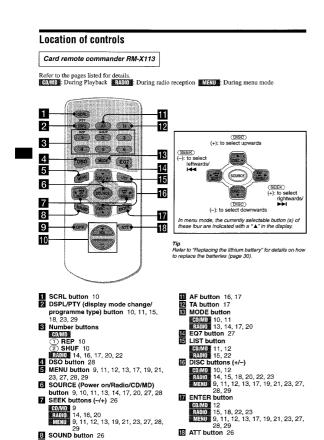
LES COMPOSANTS IDENTIFIÉS PAR UNE MARQUE A SUR LES DIAGRAMMES SCHÉMATIQUES ET LA LISTE DES PIÈCES SONT CRITIQUES POUR LA SÉCURITÉ DE FONCTIONNEMENT. NE REMPLACER CES COMPOSANTS QUE PAR DES PIÈCES SONY DONT LES NUMÉROS SONT DONNÉS DANS CE MANUEL OU DANS LES SUPPLÉMENTS PUBLIÉS PAR SONY.

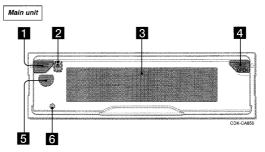
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SECTION 1 GENERAL

This section is extracted from AEP. UK model's instruction manual.





- Power on/off button*
 △ (eject) button (located on the front side of the unit, behind the front panel) 9
 Display window
 OPEN button 8, 9
 Receptor for the card remote commander and rotary commander
 RESET button (located on the front side of the unit, behind the front panel) 7
- * Warning when installing in a car without an ACC (accessory) position on the ignition switch.

 After turning off the ignition, be sure to press the power on/of button on the unit (or COFF) on the card remote commander or the rotary commander) for 2 seconds to turn off the
- commander) for 2 seconds to turn off the clock display.

 Otherwise, the clock display does not turn off and this causes battery drain.

 To turn the unit on, press the power on/off button (1) on the unit.

Note
If the unit is turned off by pressing the power on/
off button on the unit (or COFF) on the card
remote commander or the rotary commander) for
2 seconds, the unit cannot be operated with the
card remote commander or the rotary
commander unless the power on/off button on the
unit is pressed or a disc is inserted to activate the
unit.

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Notes on CD-R/CD-RW discs

You can play CD-Rs (recordable CDs) designed for audio use on this unit.
Look for this mark to distinguish CD-Rs for audio use.

29 8 SOUND button 26 9 OFF (Stop/Power off) button 8, 9, 29 10 VOL buttons (+/-) 17



This mark denotes that a disc is not for audio use





- Some CD-Rs (depending on the equipment used for its recording or the condition of the disc) may not play on this unit.
 You cannot play a CD-R that is not finalized*.
 * A process necessary for a recorded CD-R disc to be played on the audio CD player.
 You cannot play CD-RWs (rewritable CDs) on this unit.

Getting Started

Resetting the unit

Before operating the unit for the first time, or after replacing the car battery or changing the connections, you must reset the unit. Remove the front panel and press the RESET button with a pointed object, such as a ballpoint



Note
Pressing the RESET button will erase the clock setting and some stored contents.

Detaching the front panel

You can detach the front panel of this unit to protect the unit from being stolen.

Caution alarm

Caution alarm
If you turn the ignition switch to the OFF
position without removing the front panel, the
caution alarm will beep for a few seconds.

If you connect an optional amplifier and do not
use the built-in amplifier, the beep sound will be
deactivated.

- Press the power on/off button on the unit (or (OFF) on the card remote commander or the rotary commander)*.

 CD/MD playback or radio reception stops (the display remains on).

 If your car has no ACC position on the ignition switch, be sure to turn the unit off by pressing the power on/off button on the unit (or (OFF) on the card remote commander or the rotary commander) for 2 seconds to avoid car battery drain.



- Notes

 If you detach the panel while the unit is still turned on, the power will turn off automatically to prevent the speakers from being damaged.

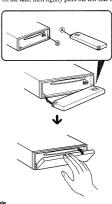
 Do not drop on put excessive pressure on the front panel and its display window.

 Do not subject the front panel to heathigh temperature or moisture. Avoid leaving it in parked cars or on desthobards/era truth.

When carrying the front panel with you, use the supplied front panel case.

Attaching the front panel

Place hole (A) of the front panel onto the spindle (B) on the unit, then lightly push the left side in.



Note

Do not put anything on the inner surface of the front

7

Setting the clock

The clock uses a 24-hour digital indication

Example: To set the clock to 10:08

1 Press (MENU), then press either side of (DISC) repeatedly until "Clock" appears.



- 1 Press ENTER.
 The hour indication flashes
- 2 Press either side of (DISC) to set the hour.
- Press the (+) side of (SEEK).
 The minute indication flashes.
- Press either side of DISC to set the minute.
- 2 Press ENTER).

Labelling a CD

3 Press (ENTER).

Sec Trees I

4 Enter the characters.

— Disc Memo (For a CD unit with the CUSTOM FILE function)

You can label each disc with a custom name (Disc Memo). You can enter up to 8 characters for a disc. If you label a CD, you can locate the disc by name (page 12).

1 Start playing the disc you want to label in a CD unit with the CUSTOM FILE

Press MENU, then press either side of OISC repeatedly until "Name Edit" appears.

The unit will repeat the disc during the labelling procedure.

Press the (+)*1 side of DISC repeatedly to select the desired character.

 $\begin{array}{c} A \rightarrow B \rightarrow C \dots \rightarrow 0 \rightarrow 1 \rightarrow 2 \dots \rightarrow + \\ \rightarrow - \rightarrow * \dots \rightarrow " *^2 \rightarrow A \end{array}$

*1 For reverse order, press the (-) side of \(\overline{\Disc}\).

*2 (blank space)

Press the (+) side of SEEK after locating the desired character.

uec lunci

5 To return to normal CD play mode, press (ENTER).

0 l 2.15 · CĴ2 ·

10:08

The clock starts. After the clock setting is completed, the display returns to normal play mode.

- Tips
 You can set the clock automatically with the RDS feature (page 19).
 When D.Info mode is set to on, the time is always displayed (page 26).

CD Player CD/MD Unit (optional)

In addition to playing a CD with this unit, you can also control external CD/MD units.

Note If you connect an optional CD unit with the CD TEXT function, the CD TEXT information will appear in the display when you play a CD TEXT disc.

Playing a disc

(With this unit)

1 Press OPEN and insert the disc (labelled side up).



2 Close the front panel

If a disc is already inserted, press SOURCE repeatedly until "CD" appears to start playback

То	Press
Stop playback	(OFF)
Eject the disc	OPEN) then ▲
Skip tracks - Automatic Music Sensor	(SEEK) (I◄◄/►►I) [once for each track]
Fast-forward/ reverse - Manual Search	(SEEK) (◀◀/▶▶) [hold to desired point]

Tips

• Simply overwrite or enter "
□ " to correct or erase a

Simply overwrite or enter " to correct or enase a mane as another way to start labeling a CD. Press (USE) for 2 seconds instead of performing steps 2 and 3, four can also complete the operation by pressing (USE) for 2 seconds instead of step 5. You can labet CDS on a unit without the CUSTOM FILE function if that unit is connected along with a CD unit that has the function. The ISOs Metron will be stored in the memory of the CD unit with the CUSTOM FILE function.

Note
Repeat/shuffle play is suspended until the Name Edit is complete.

As a display item, the Disc Memo always takes priority over any original CD TEXT information.

DSPL/PTY) during CD/CD TEXT disc playback

Press

Tip To find out about other items that can be displayed, see page 10.

1 Press SOURCE repeatedly to select "CD."

2 Press MODE repeatedly to select the CD unit storing the Disc Memo.

Press (MENU), then press either side of (DISC) repeatedly until "Name Del" appears.

5 Press either side of (DISC) repeatedly to select the disc name you want to erase.

The stored names will appear.

Viewing the Disc Memo

Erasing the Disc Memo

4 Press ENTER.
The stored names will appear.

То

continue to next page →

- Notes

 When the last track on the disc is over, playback restarts from the first track of the disc.

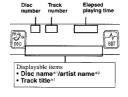
 With optional unit connected, playback of the same source will continue on to the optional CD/MD unit.

- 1 Press SOURCE repeatedly to select "CD" or "MD."
- 2 Press MODE repeatedly until the desired unit appears. Playback starts.

То	Press	
Skip discs - Disc selection	(+/-)	

Display items

When the disc/track changes, any prerecorded title*1 of the new disc/track is automatically displayed (if the Auto Scroll function is set to "on," names exceeding 8 characters will be scrolled (page 26)).



То	Press
Switch display item	(DSPL/PTY)
Scroll display item	(SCRL)

- *1 When pressing (OSPUPTY), "NO D.Name" or "NO T.Name" indicates that there is no Disc Memo (page 11) or prerecorded name to display. *2 Only for CD TEXT discs with the artist name.

- Some characters cannot be displayed.
 For some CD TEXT discs with very many characters, information may not scroll.
 This unit cannot display the artist name for each track of a CD TEXT disc.

Tip
When Auto scroll is set to off and the disc/track name
is changed, the disc/track name does not scroll.

Playing tracks repeatedly

- Repeat Play

The disc in the main unit will repeat a track or the entire disc when it reaches the end. For repeat play, you can select:

- Repeat 1 to repeat a track. Repeat 2* to repeat a disc.
- Available only when one or more optional CD/MD units are connected.

During playback, press ① (REP) repeatedly until the desired setting appears in the display.
Repeat Play starts.

To return to normal play mode, select "Repeat off."

Playing tracks in random order

— Shuffle Play

- You can select: \bullet Shuf 1—to play the tracks on the current disc in random order. \bullet Shuf 2^{+4} —to play the tracks in the current optional CD (MD) unit in random order. \bullet Shuf 3^{142} —to play all the tracks in all the connected CD (MD) units (including this unit) in random order.
- *1 Available only when one or more optional CD (MD) units are connected.
 *2 Available only when one or more optional CD units, or two or more optional MD units are connected.

During playback, press ② (SHUF) repeatedly until the desired setting

To return to normal play mode, select "Shuf off."

Note
"Shuf All" will not shufile tracks between CD units and

10

9

Locating a disc by name

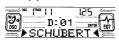
— List-up (For a CD unit with the CD TEXT/ CUSTOM FILE function, or an MD unit)

You can use this function for discs that have assigned custom names*1 or for CD TEXT discs*2.

- *1 Locating a disc by its custom name: when you assign a name for a CD (page 11) or an MD.

 *2 Locating discs by the CD TEXT information: when you play a CD TEXT disc on a CD unit with the CD TEXT function.

1 Press LIST).
The name assigned to the current disc appears in the display.



- 2 Press either side of DISC repe until you find the desired disc.
- 3 Press ENTER to play the disc.

Note Some letters cannot be displayed (exception: Disc

Selecting specific tracks for playback

— Bank (For a CD unit with the CUSTOM FILE

If you label the disc, you can set the unit to skip or play the tracks of your choice.

- 1 Start playing the disc you want to
- 2 Press MENU, then press either side of DISC repeatedly until "Bank Sel" appears.
- 3 Press (ENTER).



- 4 Label the tracks.
- Press either side of SEEK repeatedly to select the track you want to label.
- Press <u>ENTER</u> repeatedly to select "Play" or "Skip."
- 5 Repeat step 4 to set "Play" or "Skip" for all the tracks.
- 6 Press MENU twice.
 The unit returns to normal CD play mode.
- Notes
 You can set "Play" and "Skip" for up to 24 tracks.
 You cannot set "Skip" for all the tracks on a CD.

<u>S<u></u></u> The name is erased. Repeat steps 5 and 6 if you want to erase other names. If you press the (-) side of (SEEK), you can move back to the left. Seperate Steps 1 and 2 to enter the entire name.

7 Press MENU twice.
The unit returns to normal CD play mode.

6 Press (ENTER) for 2 seconds

Notes • When the Disc Memo for a CD TEXT disc is erased, the original CD TEXT information is displayed. • If you cannot find the Disc Memo you want to erase, try selecting a different CD unit in step 2.

- Playing specific tracks only
 You can select:
 Bank on to play the tracks with the "Play" setting.
- Bank inv (Inverse) to play the tracks with the "Skip" setting.
- 1 During playback, press (MENU), then press either side of (DISC) repeatedly until "Bank on," "Bank inv," or "Bank off" appears off" appears.
- 2 Press the (+) side of SEEK repeatedly until the desired setting appears.



3 Press ENTER. Playback starts from the track following the current one.

To return to normal play mode, select "Bank off" in step 2.

Radio

The unit can store up to 6 stations per band (FM1, FM2, FM3, MW, and LW).

Caution
When tuning in stations while driving, use Best Tuning Memory to prevent accidents.

Storing stations automatically

--- Best Tuning Memory (BTM)

The unit selects the stations with the strongest signals within the selected band, and stores them in the order of their frequency.

- 1 Press SOURCE repeatedly to select the radio.
- 2 Press (MODE) repeatedly to select the band.
- 3 Press MENU, then press either side of DISC repeatedly until "BTM" appears.
- 4 Press ENTER.
 A beep sounds when the setting is stored.

- Notes
 If only a few stations can be received due to weak signals, some number buttons will retain their former
- signals, some number buttons will retain unon settings. settings. When a number is indicated in the display, the unit starts storing stations from the one currently displayed.

Receiving the stored stations

- 1 Press (SOURCE) repeatedly to select the radio.
- 2 Press MODE repeatedly to select the band.
- 3 Press the number button (1 to 6) on which the desired station is stored.

TIp
Press either side of DISC to receive the stations in
the order they are stored in the memory (Preset
Search function).

If preset tuning does not work

Press either side of SEEK to seam for the station (automatic tuning). Scanning stops when the unit receives a station. Repeat until the desired station is received.

- Tips

 I automatic uning stops too frequently, turn on the Local Seek to limit seek to stations with stronger signals (see "Changing the sound and display settings" on page 26).

 If you know the frequency of the station you want to islen to, press and hold either side of (SEEE) to locate the approximate frequency, then press (SEEE) repeatedly to fine adjust to the desired frequency (manual tuning).

If FM stereo reception is poor

Select monaural reception mode (see "Changing the sound and display settings" on page 26). The sound improves, but becomes monaural ("ST" disappears).

Storing only the desired stations

You can manually preset the desired stations on any chosen number button.

- 1 Press (SOURCE) repeatedly to select the radio.
- 2 Press (MODE) repeatedly to select the band.
- 3 Press either side of SEEK to tune in the station that you want to store.
- 4 Press the desired number button (1 to 6) for 2 seconds until "MEM" appears.

 The number button indication appears in the

If you try to store another station on the same number button, the previously stored station will be erased.

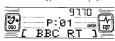
13 14

Tuning in a station through a list

— List-ur

During radio reception, press (LIST) momentarily.

The frequency or the name assigned to the current station appears in the display.



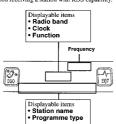
- 2 Press either side of DISC repeatedly until you find the desired station.

 If no name is assigned to the selected station, the frequency appears in the display.
- 3 Press (ENTER) to tune in the desired station.

RDS

Overview of RDS

FM stations with Radio Data System (RDS) service send inaudible digital information along with the regular radio programme signal. For example, one of the following will be displayed upon receiving a station with RDS capability.



То	Press
Switch display	(DSPL/PTY)

RDS services

- RDS atar offers you other conveniences, such as:

 Automatic retuning of a programme, helpful during long-distance drives. AF → page 16

 Receiving traffic announcements, even when enjoying another programme/source. TA → page 17

 Selecting stations by the type of programme it broadcasts, PTY → page 18

 Automatic clock time setting. CT → page 19

- Notes

 Depending on the country or region, not all of the RDS functions are available.

 RDS may not work properly if the signal strength is weak or if the station you are turned to is not transmitting RDS data.

102.5 MHz

Automatic retuning for best

The alternative frequencies (AF) function allows the radio to always tune into the area's strongest signal for the station you are listening to.

reception results

- AF function

- 1 Select an FM station (page 13). 2 Press (AF) repeatedly until "AF on"
- appears.
 The unit starts searching for an alternative frequency with a stronger signal in the same

network.

If "NO AF" flashes, the currently tuned into station does not have an alternative frequency.

frequencies

Press either side of (SEEK) while the station name is flashing (within 8 seconds). The unit starts searching for another frequency with the same PI (Programme Identification) data ("PI Seek" appears). If the unit cannot find the same PI, the unit returns to the previously selected frequency.

Staying with one regional programme

When AF function is on: this unit's factory-set setting restricts reception to a specific region, so you won't be switched to another regional still on with a stronger frequency. If you leave this regional programme's reception area or would like to take advantage of the whole AF function, select "REG off" from the MENU (page 27).

Note
This function does not work in the United Kingdom and in some other areas.

Local Link function

(United Kingdom only)

This function enables you to select other local stations in the area, even if they are not stored on your number buttons.

- 1 Press a number button (① to ⑥) that has a local station stored on it.
- 2 Within 5 seconds, press the number button of the local station again.
- 3 Repeat this procedure until the desired local station is received.

16

15

Receiving traffic announcements

— TA/TP

By activating the Traffic Announcement (TA) and Traffic Programme (TP), you can automatically tune in an FM station broadcasting traffic announcements. These settings function regardless of the current FM programme/source, CD/MD; the unit switches back to the original source when the bulletin is over.

Press (TA) repeatedly until "TA on"

- appears.
 The unit starts searching for traffic information stations.
 "IP" indicates reception of such stations, and "TA" flashes during an actual traffic announcement. The unit will continue searching for stations available with TP if "NO TP" is indicated.

To cancel all traffic announcements, select "TA

То	Press
Cancel current announcement	TA

Tip
You can also cancel the current pressing (SOURCE) or (MODE).

Presetting the volume of traffic announcements

You can preset the volume level of the traffic announcements so you won't miss hearing them.

- 1 Press VOL to adjust the desired volume level.
- 2 Press TA for 2 seconds.
 "TA" appears and the setting is stored.

Receiving emergency announcements If either AF or TA is on, the unit will switch to emergency announcements, if one comes in while listening to an FM station or CD/MD.

Presetting RDS stations with AF and TA setting

When you preset RDS stations, the unit stores each station's AF/TA setting (on/off) as well as its frequency. You can select a different setting (for AF, TA, or both) for individual preset stations, or the same setting for all preset stations. If you preset stations with "AF on," the unit automatically stores stations with the strongest radio signal.

Presetting the same setting for all preset stations

- 1 Select an FM band (page 13).
- Press (AF and/or (TA) to select "AF on" and/or "TA on."
 Note that selecting "AF off" or "TA off" stores not only RDS stations, but also non-RDS stations.
- 3 Press (MENU), then press either side of (DISC) repeatedly until "BTM"
- 4 Press (ENTER) until "BTM" flashes.

Presetting different settings for each

- 1 Select an FM band, and tune in the desired station (page 14).
- 2 Press (AF) and/or (TA) to select "AF on" and/or "TA on."
- 3 Press the desired number button (1 to 6) until "MEM" appears.

Repeat from step 1 to preset other stations

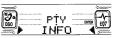
Tuning in stations by programme type

— PTY

You can tune in a station by selecting the type of programme you would like to listen to.

Programme types	Display
News	News
Current Affairs	Affairs
Information	Info
Sports	Sport
Education	Educate
Drama	Drama
Culture	Culture
Science	Science
Varied	Varied
Popular Music	Pop M
Rock Music	Rock M
Easy Listening	Easy M
Light Classical	Light M
Classical	Classics
Other Music Type	Other M
Weather	Weather
Finance	Finance
Children's Programmes	Children
Social Affairs	Social A
Religion	Religion
Phone In	Phone In
Travel	Travel
Leisure	Leisure
Jazz Music	Jazz
Country Music	Country
National Music	Nation M
Oldies Music	Oldies
Folk Music	Folk M
Documentary	Document

Press (DSPL/PTY) during FM reception until "PTY" appears.



The current programme type name appears if the station is transmitting the PTY data. "-----" appears if the received station is not an RDS station, or if the RDS data is not

- 2 Press DISC repeatedly until the desired programme type appears. The programme types appear in the order shown in the table. "-----" appears if the programme type is not specified in the RDS data.
- 3 Press (ENTER).
 The unit starts searching for a station broadcasting the selected programme type.

17

18

Receiving the preset services

Following procedure is available after presetting the service. For details on presetting the services, refer to "Presetting DAB services automatically," (page 21) and "Presetting DAB services manually" (page 21).

- 1 Press (SOURCE) repeatedly to select the radio.
- 2 Press MODE repeatedly to select "DAB."
- 3 Press either side of DISC repeatedly to select the preset service.

Tiper is another way to receive the preset service (preset on numbers 1 to 6).

Press the number button (① to ⑥) on which the desired service is stored.

Refer to the level indication to check the receiving condition of the DAB programme The level indication increases as the strength of the receiving signal increases.

level 1 ievel 2 level 3 level 4

If no service of the selected programme type is available, "---" will be displayed.
"---" will flash in the display if the reception is

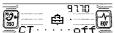
To display the level indication, turn off the Motion Display (page 26).

Setting the clock automatically

-ct

The CT (Clock Time) data from the RDS transmission sets the clock automatically.

1 During radio reception, press (MENU), then press either side of (DISC) repeatedly until "CT off" appears.



- 2 Press the (+) side of SEEK repeatedly until "CT on" appears.
 The clock is set.
- 3 Press (ENTER) to return to the normal display.

To cancel the CT function, select "CT off" in step

- Notes
 The CT function may not work even though an RDS station is being received.
 There might be a difference between the time set by the CT function and the actual time.

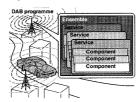
DAB (optional)

You can connect an optional DAB tuner to this

Overview of DAB

DAB (Digital Audio Broadcasting) is a new multimedia broadcasting system that transmits audio programmes with a quality comparable to that of CDs. This is made possible by the use of a microcomputer in the DAB tuner which uses the radio signals sent from multiple aerials and multi-path signals (reflected radio waves) to boost the strength of the main signal. This makes DAB almost immune to radio interference even in a moving object such as a car.

Each DAB station bundles radio programmes (services) into an ensemble which it then broadcasts. Each service contains one or more components. All ensembles, services, and components are identified by name, so you can access any of them without having to know their frequencies.



- Notes

 The DAB system is still in a testing phase. Some services have not been sufficiently defined or are services have not been sufficiently defined or are not supported by the optional DAB tuner unit XT. 1000AB.

 DAB programmes are broadcast in Band-III (774 to 240 MHz) and L-Band (1,462 to 1,492 MHz), with each band divided tinto channels (41 in Band-III and 25 in L-Band). One ensemble is broadcast per channel by each DAB station.

Basic operations of DAB

Note
You cannot use this function in some countries where
no PTY (Programme Type selection) data is available.

Searching for the ensemble and

- service
 Automatic Tuning
- 1 Press SOURCE repeatedly to select the radio.
- 2 Press MODE repeatedly to select "DAB."



The unit will stop seeking when an ensemble is located. The unit will then automatically select the first service and display its name, and the display indicator will change from "Seek +"/"Seek -" to the service name.

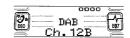
4 Press either side of SEEK to select the desired service.

Selecting the ensemble

Manual Tuning

If you know the channel number of ensemble, follow the procedure below to tune in.

- 1 Press (SOURCE) repeatedly to select the radio.
- 2 Press MODE repeatedly to select "DAB."
- 3 Press either side of (DISC) until "Ch. XXX" appears.



4 Press either side of (DISC) repeatedly until the desired channel number

Presetting DAB services automatically

— BTM

The BTM (Best Tuning Memory) function picks out DAB ensembles and automatically assigns the services within the ensembles to preset service numbers. The unit can preset up to 40 services.

If services have been previously set, the BTM function operates under the following conditions:

If you activate the BTM function while listening to a preset service, the unit will store detected services (by overwriting) only to preset numbers higher than that of the current present service.

If you activate the function while listening to a service that is not preset, the unit will replace the contents of all preset numbers.

In both cases above, if the unit detects a service that is identical to one already preset, the previously stored service remains unchanged and the newly detected service is not preset.

- 1 While listening to a DAB programme, press (MENU).
- 2 Press either side of DISC repeatedly until "BTM" appears.

A beep sounds when the service is stored.
After activating the BTM function, the unit tunes the service assigned in the preset memory I automatically.

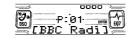
Note
If the unit can only tune in a lew services, the BTM
function may not assign services to all the preset
service numbers.

Presetting DAB services manually

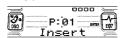
--- Preset Edit

You can also preset DAB services manually or delete a service which is already preset. Note that up to 40 services (preset either by the BTM function or manually) can be preset to the unit's memory.

- 1 While listening to a DAB programme, press MENU.
- 2 Press either side of DISC repeatedly until "PRS Edit" appears, then press ENTER).
- 3 Select the service and the preset number you want to preset.
 - Press either side of SEEK to select the service.
 - 2 Press either side of (DISC) to select the preset number.



S Press (ENTER). The Preset Edit commands will appear in the display.



- 4 Press either side of DISC to select the desired command.

5 Press (ENTER).
To edit other services, repeat steps 3 and 4.

continue to next page -

Replacing the services in preset memories

Press either side of DISC to select "Over Wrt" in step 4, then press ENTER.

Tip
There is another way to preset the service (on numbers 1 to 6).

After receiving the service, press the desired number button (1 to 6) until a beep sounds.

Adding the services in preset

Press either side of OISC to select "Insert" in step 4, then press (ENTER).

Note
"Insert" does not appear if the maximum number of
services (40) is already preset in memory.

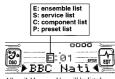
Erasing the services in preset

memories
Press either side of OISO to select "Delete" in step 4, then press (ENTER).

Tuning in DAB programme through a list

Follow the procedure below to tune in a DAB programme manually.

1 While listening to a DAB programs press (UST) repeatedly until "E" (ensemble list) appears.



All available ensembles will be listed.

All available ensembles will be listed.

2 Press either side of DISC until the desired ensemble appears, then press (ENTER).

The first service for the ensemble is selected automatically.

3 Press (LIST) repeatedly until "S" (service list) appears.
All services available for the ensemble will be listed.

4 Press either side of DISC repeatedly until the desired service appears, then press (ENTER). The first component for the service is selected automatically.

5 Press LIST repeatedly until "C" (component list) appears.
All components available for the service will be listed.

6 Press either side of DISC until the desired component appears, then press ENTER.

21

22

Automatic updating of the ensemble

HIST
When you perform the BTM function for the first
time, all the ensembles available in your area are
automatically stored. When you perform the
BTM function again, the contents of these lists
are updated in accordance with the conditions

DINY function again, me contents or uses riss are updated in accordance with the conditions described on page 31 and a mesemble is added to the respective list when it is received during Automatic Tuning or Manual Tuning but is unlisted. An ensemble is also deleted from the respective list of the second of th

- cannot be received. you perform Automatic Tuning or Manual Tuning to receive a listed ensemble, service, or the component, but it cannot be received.

Switching multi-channel audio and DRC

DAB can contain multi-channel audio. You can select main or sub-channel for reception. Also, fivou turn on the DRC (Dynamic Range Control) function, the dynamic range on the service which supports DRC can automatically be extended. The following items can be set:

- BLCIL — to select the channel from either "Main" (main-channel) or "Sub" (sub-channel).

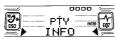
- channel).
 DRC to turn on or off the function
- 1 While listening to a DAB programme, press (MENU).
- 2 Press either side of (DISC) repeatedly until "DRC" or "BLGL" appears.
- 3 Press either side of (SEEK) to select the desired setting (Example: "on" or "off").
- 4 Press ENTER).

Note "BLGL" appears in the menu only when the unit is receiving a multi-channel programme.

Locating a DAB service by programme type (PTY)

You can use the PTY (Programme type selection) function to tune in the programme you want.

- 1 While listening to a DAB programme, press DSPL/PTY).
- Press either side of DISC repeatedly to select the programme type.

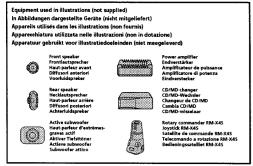


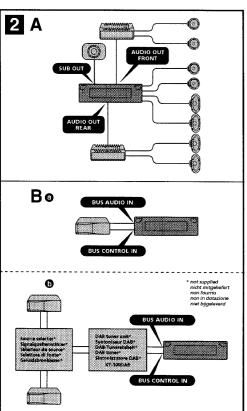
The programme types appear in the order shown on page 18.

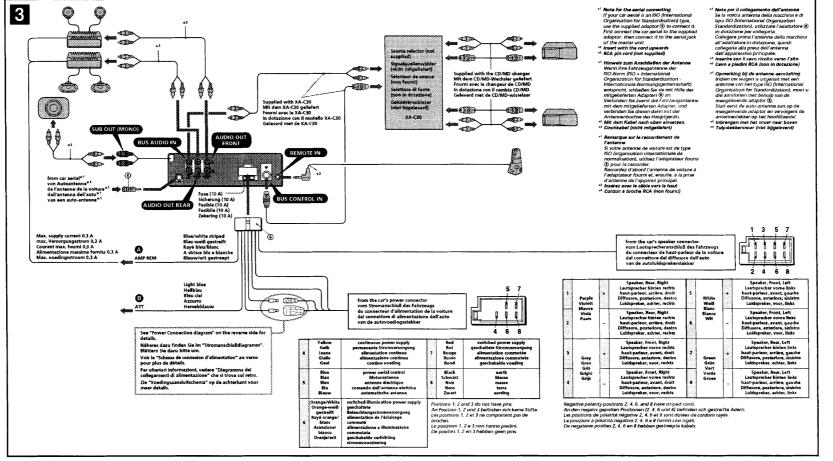
3 Press (ENTER). Searching for a service of the selected programme type begins automatically.

INFO

Connection







Cautions

"This unit is designed for negative earth 12 V DC operation only.

Do not get the wires under a xrrw, or caught in moving parts (e.g. seat railing).

Before making connections, turn the car ignition off to avoid short-circuits.

Connect the power connecting cord @ to the unit and speakers before connecting it to the auxiliary nower romesting.

power connector.

• Run all aarth wires to a common earth point.
• Be sure to insulate any loose unconnected wires with electrical tape for safety.

Notes on the power supply cord (yellow)

• When connecting this unit in combination with olher steres components, the connected car circuit's rating must be higher than the sum of each component's fuse.

• When no car circuits are rated high enough, connect the unit directly to the battery.

Parts list (11)

The numbers in the list are keyed to those in the instructions.

Handle the bracket ① carefully to avoid injuring your fingers.



Connection example (2)

Notes (@-A)

- Be sure to connect the earth cord before connecting the amplifier

- If you connect an optional power amplifier and do not use the built-in amplifier, the beep sound will be deactivated.

Tip (2-8-0)
For connecting two or more CD/MD changers, the source selector XA-C30 (optional) is necessary.

Connection diagram (3)

10 To AMP REMOTE IN of an optional power This connection is only for amplifiers. Connecting any other system may damage the unit.

Warning
If you have a power aerial without a relay box, connecting this unit with the supplied power connecting cord
may damage the aerial.

Notes on the control leads

- The power aerial control lead (blue) supplies +12 V

DC Whan you turn on the turner or when you

DC Whan you turn on the turner or when you

Amountement, function.

- Amountement, function.

- Amountement, function.

- Amountement, function in the rearriside glass, connect the power aerial

the rearriside glass, connect the power aerial

isead (ead) or the accessor power input

isead (ead) to the power turninal of the esisting

- A power aerial without a relay bos cannot be used.

even when the ignition switch is turned off.

Notes on speaker connection

Before connecting the speakers, turn the unit off.

Use speakers with an impedance of 4 to 8 chms,
and with adequate power handling capacities to
avoid its damage.

Description of the speaker terminals to the car
chassis, or connect the entrainals of the right
speakers with those of the left speaker.

Do not connect the earth lead of this unit to the
nagative (-) terminal of the car.

Connecting active

Connecting active

cerminals may damage the unit to the built in
speaker with a speaker car if the unit shares
a common negative (-) lead for the right and left
speakers.

Do not connect the left speaker car if the unit shares
a common negative (-) lead for the right and left
speakers.

Nemarques sur le cortroin d'ammentation (jaune)

Lossque cet appareil est raccordé à d'autres
éléments stéréo, la valeur nominale des circuits de la voiture raccordée doit être supérieure à la somme des fusibles de chaque élément.

Si aucun circuit de la voiture n'est assez puis-sant, raccordez directement l'appareil à la batterie.



Exemple de raccordement (2)

Conseil (2-8-9)
Dans le cas du raccordement de deux changeurs de CDIMD ou plus, le sélecteur de source XA-C30 (en option) est indispensable.

Schéma de raccordement (3)

Au niveau du AMP REMOTE IN d'un amplificateur de puissance facultatif Ce raccordement existe seulement pour les amplificateurs. Le raccordement à fout autre système peut endommager l'appareil.

Avertissement
Si vous disposez d'une antenne electrique sans
boitier de relais, le branchement de cet appareil au
moyen du cordon d'alimentation fourni (1) risque
d'endommaere l'antenne.

Précautions

Précautions

«Cal appareil est concu pour fonctionner our
courant continu de 12 / vave maior négatire.

«Evitez de finer des vise une lochée ou de coincer
ceau-ci dans des pièces mobiles (par exemple,
armahur de siène les contentiereits).

«Avant d'effectuer des raccordements, étispare le
moteur pour évite les courts-circuits.

«Branchez le cordon d'alimention (0) sur l'appareil
et les haut partieurs avant de le brancher sur le
connecleur d'alimentation auviliaire.

«Rassemblez tous les fifs de terre en un point de
masse commun.

vielle à sioler avec du chatlerton tout fil lâche
non raccordé.

Remarques sur le cordon d'alimentation (jaune)

Liste des composants (11)

Attention
Manipulez précautionneusement le support ①
pour éviter de vous blesser aux doigts.

Exemple de l'accordement (2)
Ramarques (3-A)
- Raccordez d'aband le fil de masse avant de
raccorder l'amplificateur
- Si vous raccordez un amplificateur de puissance
indépendant et que vous ruttilisez pas
l'amplificateur intégré, le bip sonore est désactivé

Vers le cordon de liaison d'un téléphone de volture

Vorsicht

Vorsicht

Dieses Graft ist ausschließlich für dem Betrieb bos 12 V Gleischstrom (negative Erdung) bestimmt.

Achten Sie dazult daß die Kahe nicht unter einer Schraube oder zwischen beweglich hen Teilen wie z. Sie nie sein Steutschneie eingest kennt Werden.

Schalten Sie bevor Sie ipgendwelche Anschlüsse Kurzschlüsse zu vermeiden.

Verbinden Sie das Steutwersenger aus, unt dem Graft und den Lautsprechen, bevor Sie es mit dem Hillisstromanschuld verbinden.

Schließen Sie alle Erdungskabel am einen Schließen Sie alle Erdungskabel am einen Lautsprechen zu eine Ausschießen sie Steutwersen unter den Ausschießen aus eine Manne den Lautsprechen zu eine Ausschießen aus der Erdungskabel am einen Zehließen Sie Sie Erdungskabel am einen Lautsprechen Drähle mit beilerhand absiediert werden. eminiciation oder die AF. (Alternativinequenzische) oder dell TA-institution (Verkendruchsagen) attrivieres.

Attrivieres.

Attrivieres.

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Attrivieres.

Attrivieres.

Attrivieres.

Anternamenschapel integrieren FAR (UKW)MW (W. Antenne ausgestatet ist, schlieden Sie die Motorantennen Seuerieitung (rot) an den der Luberhöstromenschapelmittelling (rot) an den den Anternamenschapelmittelling (rot) an den den Anternamenschapelmittelling (rot) an den den Anternamenschaften an, Nahens dazu erfahren Sie bei Isrem Händler.

Sie heil Isrem Händler.

Sie heil Isrem Händler.

Sie heil Isrem Händler.

Sie weiter und Motorantenne mit Relaiskastchen angeschlossen werden angeschlossen ist, wird der Spalicher Steit, (auch bei ausgeschalteter Jurdung) mit Strom werongt.

Hilmweise zum Lestapscheramechte

Schalten Sie das Gest aus, bevor Sie die Lastispsche anschließen.

Aus der Schalten Sie das Gest aus, bevor Sie die Lastispsche anschließen.

Jewischen 4 das Gehm und aussteilunder und einem des Inham Lautspechen.

Jewischen 4 und 8 Ohm und aussteilunder Se auch nicht ein dem Aussteilung der ausschließen dem Kopanchassis, und weitlinden Sie auch nicht den Ausschließen des reichten dir deren des Inham Lautspechen sie einen Lautsprechen einen Lautsprechen einen Lautsprechen einer Steine dieses Gerät mit werden.

Hirweise zu den Steuerieitungen

- Die Motoranieranen Steuerieitung (blau) liefert

+ 12 V Gleichstrom, wenn Sie den Turner
einschalten oder die AF- (Alternstufvequerzsuche)
oder die TA-Funktion (Verkehrsdurchsagen)

Remarques sar les fils de controlle

- Le fil de commande (biss) de l'antenne électrique
suruse une alimentation de -12 V CC longue vous
matica le syntonieur sus femion ou fongue vous
matica le syntonieur sus femion ou fongue vous
matica le syntonieur sus femion ou fongue vous
matica le syntonieur sus femion de conduire) ou
Longue votre voiture est équipée d'une artenne
FAMMENU l'intégrée dans la vitre arrivealitation
(biella ou l'antries d'alimentation des accessions
(fougle) ou l'antries d'alimentation des accessions
(fougle) ou l'antries d'alimentation des accessions
(fougle) au bominé de l'amplification d'antenne
estatant. Pour plus de détaits, consultar voire
estatant. Pour plus de détaits, consultar voire
estatant plus de détaits, consultar voire
estatant plus de détaits, consultar voire
pour passe de décrippe sans fourier de relais pre
pour pas étre utilisée avec cet appareil. Raccordement pour la conservation de la mémoire Lorsque le fil d'entrée d'alimentation jaume est raccorde, le circuit de la mémoire est alimenté en permanence même si la clé de contact est sur la position d'arrêt.

werden.

Hinweise zum Stromversorgungskabel (gelb)

Hinweise zum Stromversorgungskabel (gelb)

Wenn Sie dieses Gerätt zusammen mit anderen
Stereckomponenten anschließen, muß der
Autorischmeise, an den die Geräte, muß der
Autorischmeise, an den die Geräte, muß der
Sind, eine höhrer Leistung aufveisen als die
Komponenten.

Wenn kein Auflostermkeis eine so hohe Leistung
aufweist, schließen Sie das Gerät direkt an die
Balterie an.

Teileliste (11)

Seien Sie beim Umgang mit der Halterung ① vorsichtig, damit Sie sich nicht die Hände verle



Anschlußbeispiel (2)

Himweise (2-A)

- Schließen Sie unbedingt zuerst das Massekobel an.
bevor Sie der Verstärker anschließen.

- Wenn Sie einen gesondert erhältlichen.
Fordwarstärer anschließen und den integrierten
Verstärker nicht benutzen, wird der Signalton
dasktivert.

Tip (2.8-6)
Zum Anschlie

Anschlußdiagramm (3)

An AMP REMOTE IN des gesondert erhältlichen Endverstärkers
 Dieser Anschluß ist ausschließlich für Verstärker gedacht. Schließen Sie nichts anderes daran an, Andernfalls kann das Gerät beschädigt werden.

Attenzione

Onesio apparecchio è stato progettato per l'uso solo a 12 V CC con massa negativa.

 Eivitare che i cavi rimagno bioccati da una vite o incustrati nelle parti mobili (ad esempio nelle guide scorrevoli dei sedili).

 Frima di effettuare i collegamenti, spegnere il motore dell'automobile onde evitare di causare cortocircuiti.

corlocircuiti.

Collegare il cavo di collegamento
dell'alimentazione (il all'apparecchio e ai
diffusori prima di collegarlo al connettore di

alimentazione ausiliare.

Portare tutti (cavi di massa a un punto di massa comune.

Per sicurezza, assicurarsi di isolare qualsiasi cavo non collegato mediante apposito nastro.

non congato mentana appessio naesto.

Nota sul caro da ilimentazione (galio)

- Se questo apparecchio viene collegato con altri
componenti sitero, la potenza nominale dei
circutii dell' automobile deve essere superiore a
quella prodotta dalla somma dei rusibili di
ciascan componente.

- dell'automobile non è sufficinate, collegare
l'apparecchio direttamente alla batteria.

Elenco dei componenti (11)

I numeri nella lista corrispondono a quelli riportati nelle istruzioni.

Esempi di collegamento (2)

Suggerimento (2-8-6)
Per collegare due o più cambia CD/MD, si deve utilizzare il selettore di fonte XA-C30 (opzionale).

Schema di collegamento (3)

A AMP REMOTE IN di un amplificatora di potenza opzionale Questo collegamiento è riservato esclusivamente agli amplificatori. Non collegare un tipo di sistema diverso onde evitare di causare daran all'apparacchio.

Al cavo interfaccia di un telefono per auto

Avvertenza
Quando si collega l'apparecchio con il cavo di
alimentazione in dotazione

, i potrebbe
danneggiare l'entenna elettrica se questa non ha la
scatola di rele.

isatola di rele.

Men ui sui di controllo

si caro di controllo all'anterma elettrica (biu)

ficano di controllo all'anterma elettrica (biu)
ficanosa corrente centinua +12 V CC quardo i di
accende il sintonizzatore o quando si attive la
funzione Af l'requenza alternaria più a l'a
(notiziano sul traffico).
Se l'automobile el odutato di anterna PAMMILW
uscopposto nel vetro postenovalue elettrica ni dano
più di controllo dell'anterna elettrica o il accon più di controllo dell'anterna elettrica ni dano
termina dei alimentazione delle presumplificatore
dell'anterna estenta. Per ulterno informazioni,
consultare il proprio formitore.
Non a possibile usare un'anterna elettrica senza
scatola a rele con questo apparecchio.

Collegemento per la conservazione della memoria Quando il cavo di ingresso alimentazione giallo è collegato, viene sempre fornita alimentazione al circuito di memoria anche quando la chiavetta a accensione è spenta.

circuito di mélinicia anche quando la chawetta a accervatione à prime del diffusori Prima di collegemento del diffusori Prima di collegemento del diffusori spegiere Prima di collegemento di mignedienza compresa tra 4 e 8 divisione del collegemento di mignedienza compresa tra 4 e 8 divisione controlo di mignedienza compresa tra 4 e 8 divisione del collegemento di diffusori potrolo del diffusori di diffusori del diffusori di diffusori del diffusori del diffusori del diffusori del diffusori del diffusori del diffusori di diffusori del diffusori dell'apprenechio perche si portibebero dannegipira di diffusori attivi. Assicurarsi di collegare diffusori dell'apprenechio di migricomanento non utilizzare i cavi del diffusori incorporali installati enell'automobile si i lamminade dell'apprenechio condivide un cavo comune registro (-) per i condicio dell'apparenechio condivide un cavo comune registro (-) per i Non collegare faltori coi cavi del diffusori dell'apparenechio

Let op!

Let op:

Dit apparant is ontworpen voor gebruik op gelijstroom van een 12 Volts aub-accu, negatisf geaard.

Zorg ervoor dat de draden niet onder een schroef of tussen bewegende onderdelen (bv. zetelzait) teechtkomen.

Alvorens aanslullingen te verrichten moet u het contact afzeiten om kortsluiting is vernijden.

Alvorens aanslullingen te verrichten moet u het contact afzeiten om kortsluiting is vernijden.

Sudoprekers voorsteer uit bei roeid en de hulpvoedingsaansluiting aansluit.

Sluit alle aarddraden op sen gemeenschappelijk aardpunt aan.

Voorzie niet aangelsbein draden om veilijbeidsredenen altijd van isolaitelage.

veiligheidisedenen altijd van isolatietage.

Opmarklingen bij de voedingskabel (geel)

Vanneer u dit toestel aansluit somen met andere
componenten, moet het vernogen van de aangeslohen autostrom/kring goder zijn dan de som van de zekeringen van elke component afzonderlijk

Vanneer het Vernogen ontorerlikend si, moet u
het toestel rechtstreeks aansluilen op de batterij.

Onderdelenlijst (11)

De nummers in de afbeelding verwijzen naar die in de montage-aanwijzingen.

Voorziehtig Houd de beugel ① voorzichtig vast zodat u uw vinzers niet verwondt.



Voorbeeldaansluitingen (2)

Opmerkingen (B-A)

- Sluit eerst de massakabel aan alvorens de versterken sant te sluiten

- Als u een los verkrijfbare vermogensversterken aansluit en de ingebauwde versterken rieit gebruikt, is de pieptoon uitgeschâkeld.

Tip (Q. 8- 0)
Om twee of meer CD/MD-wisselaars aen te sluiten, hebt u de geluidsbronkiezer XA-C30 (optioneel) nodig.

Aansluitschema (3)

 Naar AMP REMOTE IN van een los verkrijgbare vermogensversterker
Deze aarsliuiting is allean bedoeld voor
versterkers. Door een ander systeem aan te sluiten
kan het toestel worden beschodigd.

3 Naar het Interface-snoer van een autotelefoon

Opgelet Indien u een elektrische antenne heeft zonder relaiskast, kan het aansluiten van deze eenheid me het bijgeleverde netsnoer

de antenne beschadigen.

techniligen.

Opmerking betrefferde de senkultinoeren.
De voodingstede (blauw) van de elektrisch bediende unterne lewet 12 (belijktroom wanneer u de tutter aarschakelt of de functie Af (Alternatus Fraquency) of TA (Traffic Ammuncement) activerst unt en en fAMMW. It Wanten in de achterutivoorniit moet u de anternavoodingskabel (blauw) of de hulproedingskabel (mod) aantuitien op de voodingsingsingsing van de bestaande unterne seutsteken. Roadpleeg uit velaele voor unterne seutsteken. Roadpleeg uit velaele voor automatische anterne soutsterne falstungs de seutstelle voor uit apparaat is het niet mogelijk een automatische anterne soutsterne seutstelle seutstelle gebruiken.

Instantiousen van het geheugen Zolang de gele stroomdraad is aangesloten, blijft de stroomvoorziening van het geheugen intact, ook wanneer het contact van de auto wordt uitgeschakeld.

Opmerkingen betreffende hat aenshillen van de hubspreaken appaant is uitgesteld, divorren de Liedzpreiken aan te slutien Liedzpreiken sen te slutien Gebruik kuldpreiken met een impedantie van 4 tot 8 Ohm en let op dat die het vermogen van de verstelken kunnen werverken Als dit wordt verstelken kunnen werverken Als dit wordt verstelken die kunnen werverken Als dit wordt post-hubspreiken werverken Als dit wordt verbreih dit jame gread de aenshillingen van de luidspreikens met het chassis van de auto en sluti de aansluitingen van de rechter en inter luidspreiken aansluitingen van de rechter en inter luidspreiken "Verbreih de massakelel van dit toestel niet met de negelaiene () aansluiting van de kuldspreiker. Probeen nocht de luidspreiken pærellel aan te slutien.

position d'areit.

Remarques sur le riccorrément des haut, parleurs

- Avant de raccorde les haut-parleurs, mattez

- Apart de raccorde les haut-parleurs, mattez

- Rapareit hors tension.

- Ultimar des haut-parleurs ayent une impedance de

- 1 8 o'hnis seus une capacité de mampigulation

adéquate pour éviter de les endommaignes

- Al 8 o'hnis seus en capacité de mampigulation

adéquate pour éviter de les endommaignes

parleurs su chissió de la vortiure en en recorrées

parleurs su chissió de la vortiure en en recorrées

parleurs su chissió de la vortiure en en recorrèes

- Nes raccordes pas le câbisi de masse de cet appareil

- Als borres réglation et (-) de l'encevaine.

- Nes raccordes passione et l'encevaine.

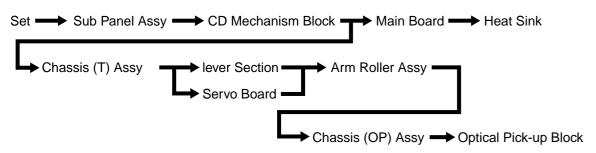
- Pour éviter tout d'apricondommaines, rivollines pas

- Pour éviter d'apricondommaines, rivollines pas

- Pour

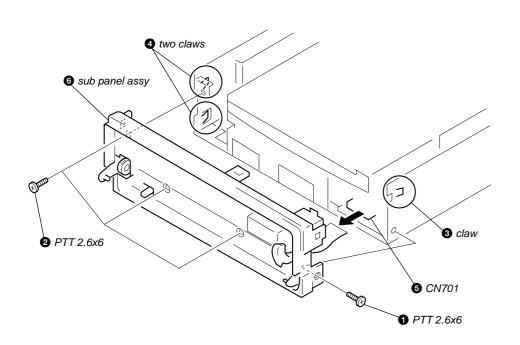
SECTION 2 DISASSEMBLY

Note: This equipment can be removed using the following procedure.

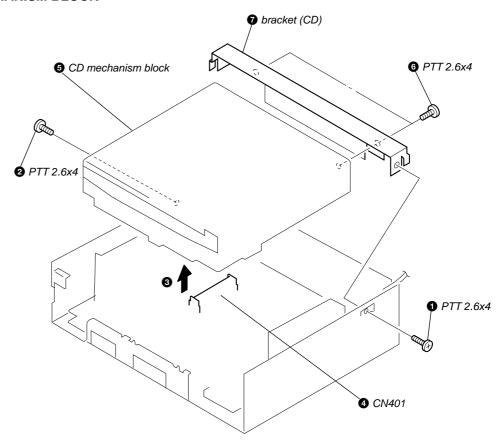


Note : Follow the disassembly procedure in the numerical order given.

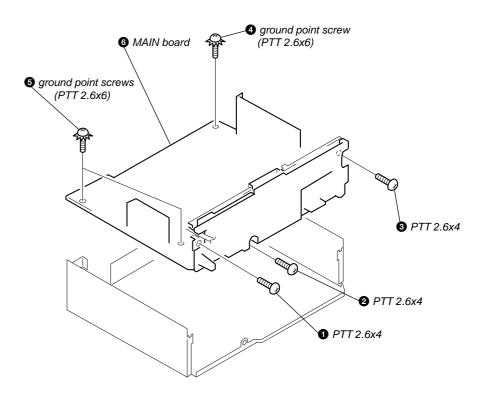
2-1. SUB PANEL ASSY



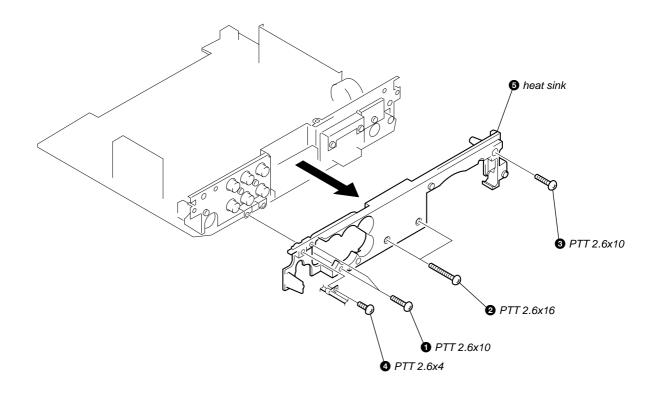
2-2. CD MECHANISM BLOCK



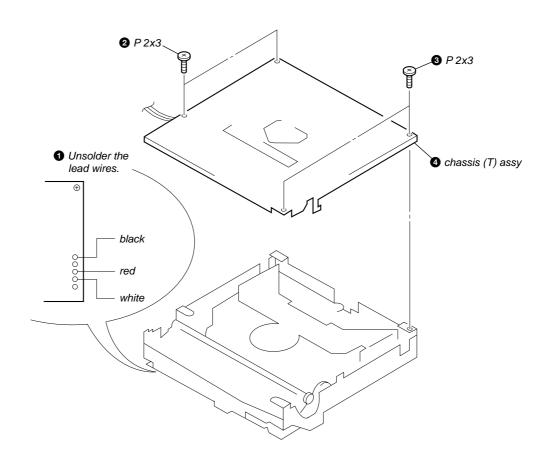
2-3. MAIN BOARD



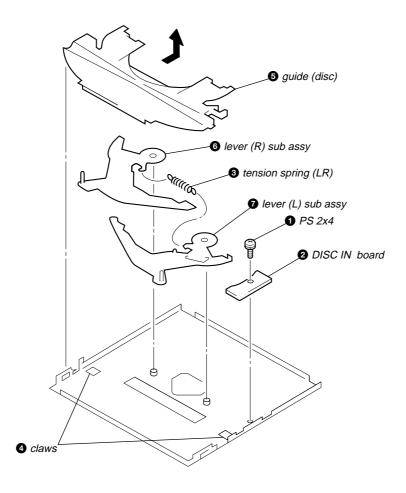
2-4. HEAT SINK



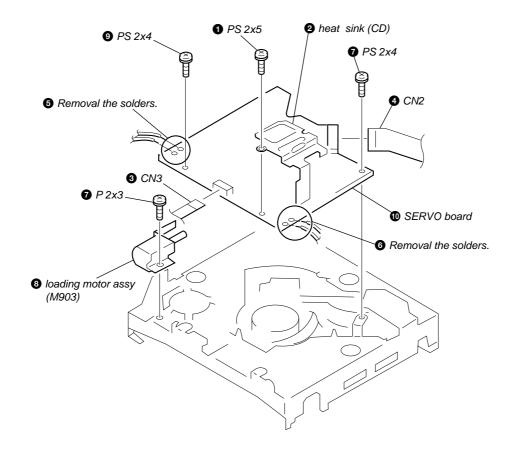
2-5. CHASSIS (T) ASSY



2-6. LEVER SECTION

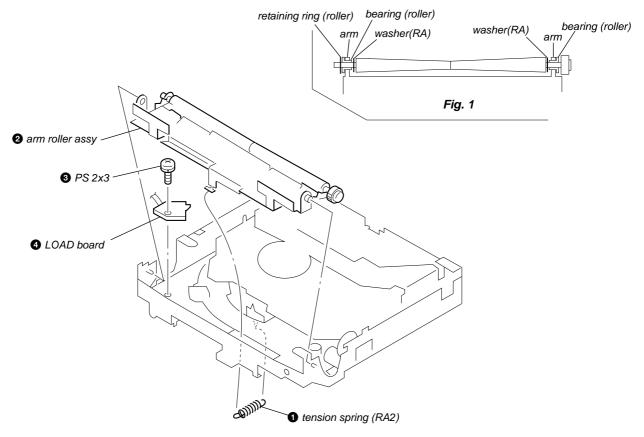


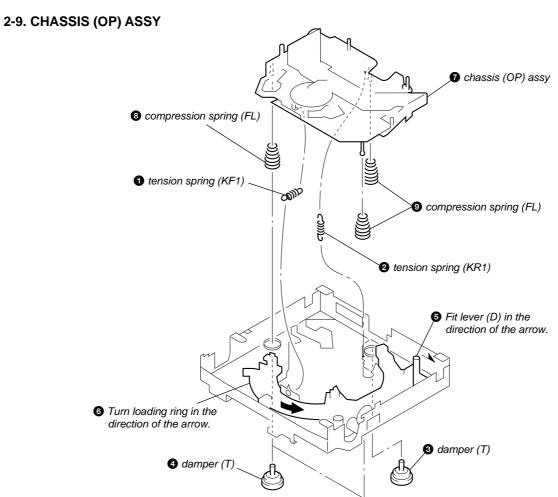
2-7. SERVO BOARD



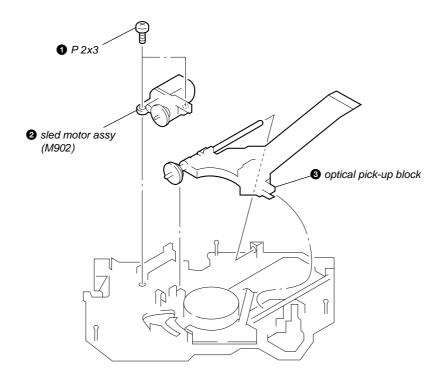
2-8. ARM ROLLER ASSY

• When installing, take note of the positions arm (roller) and washers. (Fig. 1)





2-10. OPTICAL PICK-UP BLOCK



SECTION 3 DIAGRAMS

3-1. IC PIN DESCRIPTIONS

• IC501 CXD2598Q (DIGITAL SERVO, DIGITAL SIGNAL PROCESSOR) (SERVO BOARD)

Pin No.Pin NameI/OPin Description1DVDD— Digital power supply pin2DVSS— Digital ground3SOUTO Servo brock serial data output (Not used.)4SOCKO Servo brock serial data read clock output (Not used.)5XOLTO Servo brock serial data latch output (Not used.)6SQSOO Sub Q 80 bit, PCM peak and level data output. CD TEXT data outp7SQCKI Clock input from SQSO read output.8SCSYI Fixed at "L".9SBSOO Serial output of sub-P to W. (Not used.)10EXCKI Clock input from SBSO read output. (Fixed at "L")11XRSTI System reset ("L": Reset)12STSMI System mute input (Fixed at "L")13DATAI Serial data input from CPU.14XLATI Latch input from CPU. Latch serial data at the falling edge.15CLOKI Serial data transfer clock input from CPU.	
DVSS — Digital ground SOUT O Servo brock serial data output (Not used.) 4 SOCK O Servo brock serial data read clock output (Not used.) 5 XOLT O Servo brock serial data latch output (Not used.) 6 SQSO O Sub Q 80 bit, PCM peak and level data output. CD TEXT data output. 7 SQCK I Clock input from SQSO read output. 8 SCSY I Fixed at "L". 9 SBSO O Serial output of sub-P to W. (Not used.) 10 EXCK I Clock input from SBSO read output. (Fixed at "L") 11 XRST I System reset ("L": Reset) 12 STSM I System mute input (Fixed at "L") 13 DATA I Serial data input from CPU. 14 XLAT I Latch input from CPU. Latch serial data at the falling edge.	
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LILIK L. Nomal data transfer algebra transfer transfer the L. L. Nomal data transfer algebra transfer	
15 CLOK I Serial data transfer clock input from CPU. 16 SENS O SENS output for CPU.	
17 SCLK I Clock input from SENS serial data read.	
18 ATSK I/O Input/output for anti-shock. 19 WFCK O WFCK (Write Flame Clock) output (Not used.)	
20 XUGF O XUGF output (Not used.)	
21 XPCK O XPCK output (Not used.)	
22 GFS O GFS output	
23 C2PO O C2PO output (Not used.)	
24 SCOR O "H" output at either detection, sub code sync S0 or S1.	
25 C4M O 4.2336 MHz output (Not used.)	
26 WDCK O Word clock input f=2Fs (Not used.)	
27 COUT I/O Track number count signal input/output (Not used.)	
28 MIRR I/O Mirror signal input/output (Not used.)	
29 DVSS — Digital ground	
30 DVDD — Digital power supply pin	
31 DFCT I/O Diffect signal input/output (Not used.)	
32 FOK I/O Focus OK signal output	
33 PWM1 I External control input of spindle motor.	
34 LOCK I/O Lock signal input/output	
35 MDP O Servo control output of spindle motor.	
36 SSTP I Disc most inner track detection signal input	
37 FSTIO I/O 2/3 frequency division output of pins ® and ®. (Not used.)	
38 SFDR O Sled drive output	
39 SRDR O Sled drive output	
40 TFDR O Tracking drive output	
41 TRDR O Tracking drive output	
42 FFDR O Focus drive output	
43 FRDR O Focus drive output	
44 DVDD — Digital power supply pin	
45 DVSS — Digital ground	
46 TEST I Test pin (Fixed at "L")	
47 TES1 I Test pin (Fixed at "L")	
48 XTSL I X'tal select input ("L": 16.9344 MHz, "H": 33.8688 MHz)	
49 VC I Center voltage input	
50 FE I Focus error signal input	
51 SE I Sled error signal input	

Pin No.	Pin Name	I/O	Pin Description
52	TE	I	Tracking error signal input
53	CE	I	Center servo analog input
54	RFDC	I	RF signal input
55	ADIO	О	Test pin (Not used.)
56	AVSSO	_	Analog ground
57	IGEN	I	Constant current input from OP amplifier.
58	AVDDO	_	Analog ground
59	ASYO	О	EFM full-swing output ("L": VSS, "H": VDD)
60	ASYI	I	Asymmetry comparate voltage input
61	RFAC	I	EFM signal input
62	AVSS3	_	Analog ground
63	CLTV	I	VCO control voltage input from master.
64	FILO	О	Filter output for master PLL (slave=digital PLL)
65	FILI	I	Filter input from master PLL.
66	PCO	О	Charge pump output for master PLL.
67	AVDD3	_	Analog power supply pin
68	BIAS	I	Asymmetry circuit constant current input
69	VCTL	I	VCO2 control input from wideband EFM PLL. (Not used.)
70	V16M	О	VCO2 oscillator output for wideband EFM PLL. (Not used.)
71	VPCO	О	Charge pump output for wideband EFM PLL. (Not used.)
72	DVSS		Digital ground
73	MD2	I	Digital out ON/OFF control input ("L": OFF, "H": ON)
74	DOUT	О	Digital out output
75	ASYE	I	Asymmetry circuit ON/OFF input ("L": OFF, "H": ON)
76	DVDD	_	Digital power supply pin
77	LRCK	О	D/A interface LR clock output (f=Fs)
78	LRCKI	I	D/A interface LR clock input
79	PCMD	О	D/A interface serial data output (2's COMP, MSB fast)
80	PCMDI	I	D/A interface serial data input (2's COMP, MSB fast)
81	BCK	О	D/A interface bit clock output
82	BCKI	I	D/A interface bit clock input
83	EMPH	О	Emphasis ON/OFF signal output
84	EMPHI	I	Emphasis ON/OFF signal input ("H": ON, "L": OFF)
85	XVDD		Power supply for master clock.
86	XTAI	I	X'tal oscillator input from master clock (16.9344 MHz).
87	XTAO	О	X'tal oscillator output for master clock (16.9344 MHz).
88	XVSS		Ground pin for master clock.
89	AVDD1		Analog power supply pin
90	AOUT1	О	Lch analog output
91	AIN1	I	Lch OPAMP input
92	LOUT1	О	Lch LINE output
93	AVSS1		Analog ground
94	AVSS2		Analog ground
95	LOUT2	О	Rch LINE output
96	AIN2	I	Rch OPAMP input
97	AOUT2	О	Rch analog output
98	AVDD2		Analog power supply pin
99	RMUT	О	Rch "0" detect Flug (Not used.)
100	LMUT	О	Lch "0" detect Flug (Not used.)

• IC5 CXP84640-072Q (CD SYSTEM CONTROL) (SERVO BOARD)

Pin No.	Pin Name	I/O	Pin Description
1	ITRPT	_	Not used in this set.
2, 3	_	_	Not used in this set.
4, 5	NCO		Not used in this set.
6	OPEN	I	Front panel open detection input
7	CLOSE	0	Front panel close control output
8	LINKOFF	I	Bus interface link input
9	NCO	_	Not used in this set.
10	D SW	I	Down switch input (SW4)
11	SSTP		Limit switch input (SW3)
12, 13		I	Not used in this set.
	NCO	_	
14, 15	- EMBILO	_	Not used in this set.
16	EMPH O	0	De-emphasis ON/OFF control output
17	CDMON	0	CD mechanism deck power control output
18	CD ON	0	CD power control output
19	A MUT	0	System attenuate control output
20	LD ON	О	Laser power ON/OFF control output
21	CD RST	О	CD system reset output
22	HOLD	0	Hold switch output
23	AGC CONT	0	AGC control output
24	_	_	Not used in this set.
25	PH3	I	Not used in this set.
26	TSTIN0	I	Not used in this set.
27	TSTIN1	I	Not used in this set.
28	TST.CLV	I	Not used in this set.
29	NCO	_	Not used in this set.
30	RESET	I	System reset input ("L"=Reset)
31	X IN	I	X'tal oscillator input from system clock. (10 MHz)
32	X OUT	О	X'tal oscillator output for system clock. (10 MHz)
33	GND	_	Analog ground
34	XT OUT	0	Not used in this set.
35	XT IN	I	Not used in this set.
36	AVSS	_	A/D converter ground
37	AVREF	I	A/D converter reference voltage input
38	TEP L	I	Not used in this set.
39	TEP H	I	Not used in this set.
40	SLED-	I	Sled drive input
41	PH2	I	Not used in this set.
42	SEK/SMET	I	Fixed at "H" in this set.
43	GFS/MNT2 SEL	I	Fixed at "H" in this set.
43	SC-JIG ON/OFF	I	Fixed at "H" in this set.
45	SC-JIG ON/OFF SCLK	0	CD-TEXT data read clock output
45	LOCK	I/O	Lock signal input/output
	LUCK		Not used in this set.
47	CCV2	_	
48	SCK2	0	Sub Q read clock output
49	SI2	I	Sub Q 80 bit, PCM peak and level data 16 bit input.
50			Not used in this set.
51	BUS CLK	I/O	Bus system serial clock input/output
52	BUS SI	I	Bus system serial interface input
53	BUS SO	0	Bus system serial interface output
54	F OK	I	Focus OK signal input
55	GFS	I	GFS signal detection input
56	TEST MODE	I	Fixed at "H" in this set.

Pin No.	Pin Name	I/O	Pin Description
57	SENS	I	SENS signal input
58	_	_	Not used in this set.
59	_	_	Not used in this set.
60	BU.IN	I	Back-up power detection input
61	BUSON	I	Bus on control input
62	IN SW	I	Disc in switch input (SW1)
63	SELF SW	I	Self switch input (SW2)
64	SCOR	0	Sub-code sync output
65	CD-CKO	0	CD signal process serial clock input
66	LM LOD	0	Loading motor control output
67	CD DATA	0	CD signal process serial data output
68	CD-XLAT	0	CD signal process serial data latch output
69	LM-EJ	0	Loading motor control output
70	DRV-OE	0	Focus/tracking coil/sled motor control output
71	MD2	0	Digital out ON/OFF control output ("L": OFF, "H": ON)
72	VDD	_	Power supply pin
73	NIH	I	Fixed at "H" in this set.
74	V/Z	I	Fixed at "H" in this set.
75	PH1	I	Not used in this set.
76	<u> </u>	_	Not used in this set.
77	DOUT-SEL	I	Fixed at "H" in this set.
78 – 80	_	_	Not used in this set.

• IC501 MB90574BPMT-G-323-BND (MAIN SYSTEM CONTROL) (CDX-CA850X/CA860X) (MAIN BOARD) • IC501 MB90574BPMT-G-324-BND (MAIN SYSTEM CONTROL) (CDX-CA850) (MAIN BOARD)

Pin No.	Pin Name	I/O	Pin Description	
1 – 4	NCO	0	Not used. (Open)	
5	ATT	0	System mute control signal output	
6, 7	NCO	0	Not used. (Open)	
8	VCC	_	Power supply pin (+5 V)	
9	AMP ATT	О	Amp mute signal output	
10	E2PSIO	I/O	EEPROM data signal input/output	
11	E2PCKO	0	EEPROM clock signal output	
12	DOOR SW/FLS SI	I	Door switch signal input (L: close) Flash write data signal input	
13	FLS SO	0	Flash write data signal output	
14	BUS ON	0	BUS ON control signal output	
15	BEEP	0	Beep signal output	
16	NS MASK	0	Tuner mute signal output	
			<u> </u>	
17	UNISI	I	SONY BUS data signal input	
18	UNISO	0	SONY BUS data signal output	
19	UNICKO	0	SONY BUS clock signal output	
20	IFWIDTH	0	Not used. (Open)	
21	SWSHIFT	О	Not used. (Open)	
22	SYSRST	О	System reset signal output	
23	(NCO)	О	Not used. (Open)	
24	SIRCS	I	Remote control data signal input	
25 – 29	NCO	0	Not used. (open)	
30	AMPON	О	Amp on signal output (L: OFF/H: ON)	
31	VOLATT	О	Electronic volume mute signal output (L: Mute on)	
32	NCO	О	Not used. (Open)	
33	VSS	_	Ground pin	
34	С	_	Power stabilized capacitance pin Not used. (open)	
35 – 37	NCO	О	Not used. (Open)	
38	DVCC	_	D/A converter VREF input	
39	DVSS	_	D/A converter GND pin	
40, 41	(NCO)	О	Not used. (Open)	
42	AVCC	_	Analog power supply pin (+5 V)	
43	AVRH	_	A/D converter VREF+ input	
44	AVRL	_	A/D converter VREF– input	
45	AVSS	_	Analog ground pin	
46	KEYIN0	I	Key signal input 0	
47	KEYIN1	I	Key signal input 1	
48	RCIN0	I	Rotary commander signal input	
49	NCO	0	Not used. (Open)	
50	QUALITY	0	Quality signal output	
51	FM AGC	0	Not used in this set. (Open)	
52	MPTH	0	MPTH signal output to RDS decoder	
53	VSM	I	S-meter signal input	
54	VCC	_	Power supply pin (+5 V)	
55, 56	NCO	0	Not used. (Open)	
57	BOOT	0	Display microcomputer write control signal output	
58	DOORIND	0	Front panel indicator signal output	
59 – 62	NIL	I	Not used. (Connect to ground in this set.)	
63	VSS	1	Ground pin	
64	NIL	I	Not used. (Connect to ground in this set.)	
			<u> </u>	
65	FSW IN	0	Not used. (Open)	
66 – 68	NCO	О	Not used. (Open)	

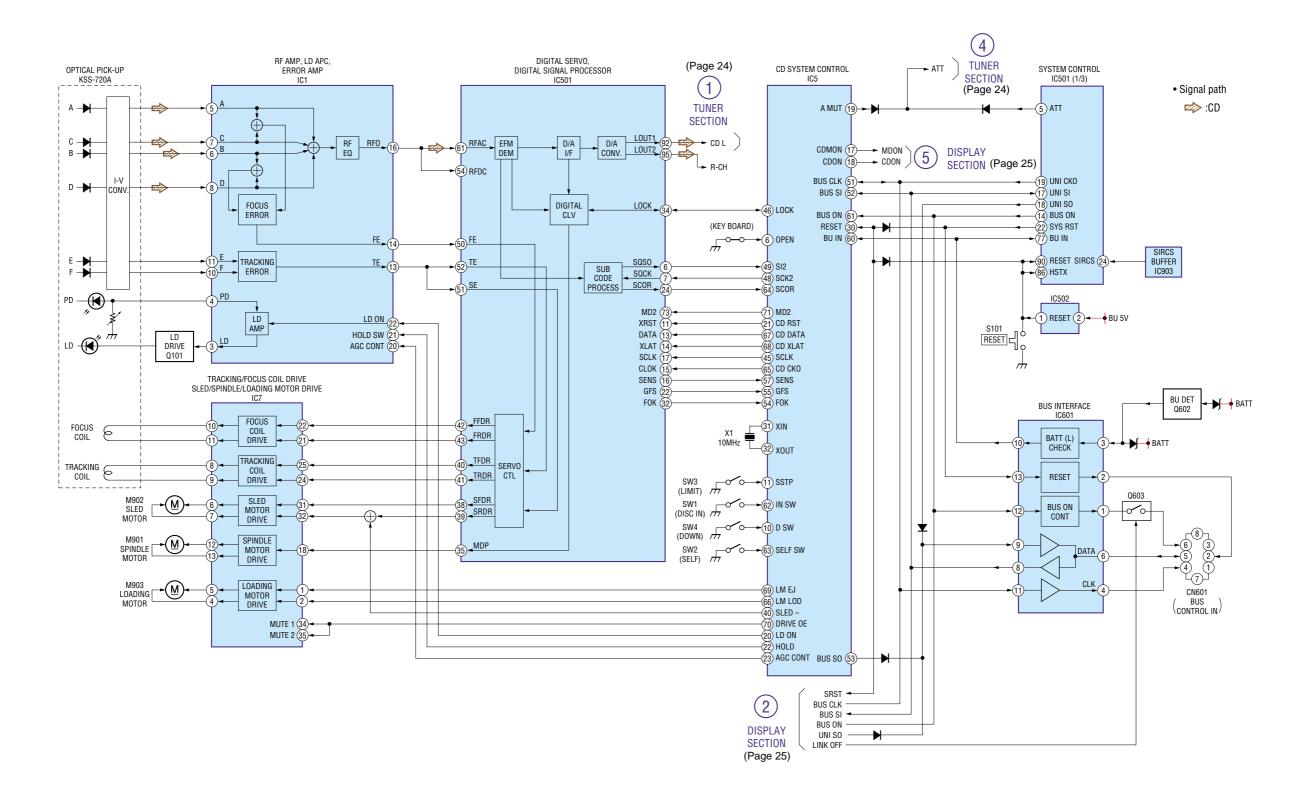
Pin No.	Pin Name	I/O	Pin Description	
69	FLASH W	I	Flash write mode detection signal input	
70	I2CSIO	О	Tuner, electronic volume communication data signal output	
71	I2CCKO	О	Tuner, electronic volume communication clock signal output	
72	NCO	О	Not used. (Open)	
73	X1A	I	Low speed oscillation signal input (32.768 kHz)	
74	X0A	I	Low speed oscillation signal input (32.768 kHz)	
75	DAVN	О	DAVN signal output to RDS decoder	
76	DISCON IN	О	Not used. (Open)	
77	BUIN	I	Backup power supply detection signal input	
78	NCO	О	Not used. (Open)	
79	KEYACK	I	KEY ACK detection signal input	
80	ADON	О	A/D conversion power control signal output	
81	NOSESW	I	Front panel attachment detection signal input	
82	FLASH ON	О	Flash write jig power supply output	
83	PWON	О	System power supply control signal output	
84	NCO	О	Not used. (Open)	
85	RAMBU	I	RAM reset detection signal input	
86	HSTX	I	Hardware standby signal input	
87	MD2	I	Operation mode input (Connect to ground.)	
88, 89	MD1, 0	I	Operation mode input (Connect to VCC.)	
90	RESET	I	Microcomputer reset signal input	
91	VSS	_	Ground pin	
92	X0	I	High speed oscillation signal input (3.68 MHz)	
93	X1	I	High speed oscillation signal input (3.68 MHz)	
94	VCC	_	Power supply pin (+5 V)	
95, 96	REINO, 1	I	Rotary encoder signal input	
97 – 99	NCO	О	Not used. (Open)	
100	4V SEL X/O	I	4 V/5.5 V preout menu with/without initial setting input	
101	COLORSEL X/O	I	Illumination select with/without initial setting input Not used. (Open)	
102	MODELSEL0 U/J	I	Destination setting input Not used. (Open)	
103	DOT/L-CUBE	I	DOT/L-CUBE judgment initial setting input	
104	CD/MD	I	CDX/MDX judgment initial setting input Not used. (Open)	
105, 106	NCO	О	Not used. (Open)	
107	RCIN1 (PULL UP)	I	Rotary commander signal input	
108	TESTIN (PULL UP)	I	Test mode setting detection input	
109	TELATT	I	TEL mute detection signal input	
110	ILLIN	I	Illumination line detection signal input	
111, 112	NCO	О	Not used. (Open)	
113	TUNON	О	Tuner on signal output	
114, 115	NCO	О	Not used. (Open)	
116	ЕМРН	О	Not used. (Open)	
117	ACCIN	I	ACC power supply detection signal input L: ACC ON	
118	NCO	О	Not used. (Open)	
119	VSS		Ground pin	
120	NCO	О	Not used. (Open)	

• IC701 HD6432355A35F (SUB SYSTEM CONTROL)

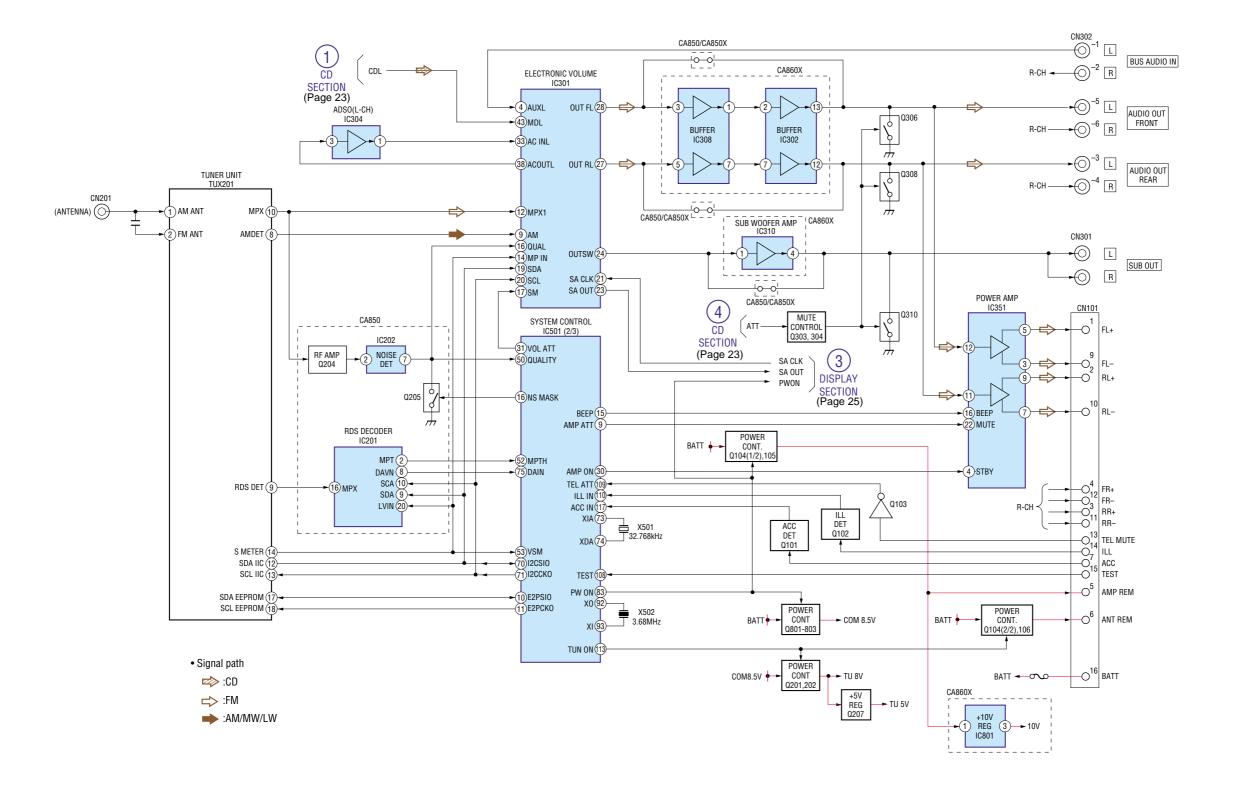
Pin No.	Pin Name	I/O	Pin Description
1	PG3	О	Spectrum analyzer clock output
2	PG4	О	Not used (open)
3	VSS	<u> </u>	Ground pin
4	NC	<u> </u>	Not used (open)
5	VCC	_	Power supply pin
6-9	PC0 – PC3	0	Not used (open)
10	VSS		Ground pin
11 – 14	PC4 – PC7	0	Not used (open)
15 – 18	PB0 – PB3	0	Not used (open)
19	VSS		Ground pin
20 – 23	PB4 – PB7	0	Not used (open)
24 - 27	PA0 – PA3	0	Not used (open)
28	VSS		Ground pin
29 – 32	PA4 – PA7	0	Not used (open)
33	SP LAT(PWON)	I	Spectrum analyzer latch input
34	BU IN	I	Back-up power detection input
		1	
35	VSS		Ground pin
36	VSS		Ground pin
37	P65	0	Not used (open)
38	BUS ON	I	Bus on control signal
39	VCC	<u> </u>	Power supply pin
40 – 43	PE0 – PE3	0	Not used (open)
44	VSS	_	Ground pin
45 – 48	PE4 – PE7	О	Not used (open)
49	PD0	О	Not used (open)
50	LINK OFF	О	Bus interface link off control signal
51	PD2	О	Not used (open)
52	ILL-ON	О	Illumination on/off switch signal output
53	VSS	_	Ground pin
54 – 56	PD4 – PD6	О	Not used (open)
57	BOOT	I	Flash write-in mode detection input
58	VCC	_	Power supply pin
59	NC	_	Not used (open)
60	TX/LCD DATA	О	Flash write-in data/LCD driver data output
61	SP SI	О	Not used (open)
62	RX	I	Flash write-in data input
63	L RST	О	Reset signal for SIRCS inveter
64	LCD SCK	О	LCD driver clock output
65	VSS	_	Ground pin
66	LCD CE1	О	LCD driver chip enable output
67	VSS	T —	Ground pin
68	VSS	T —	Ground pin
69	LCD INH1	О	Not used (open)
70	LCD CE2	0	Not used (open)
71	LCD INH2	0	Not used (open)
72 – 78	P27 – P21	О	Not used (open)
79	P20	0	Flash write-in control signal
80	FWE L	I	Flash write-in enable input
81	RES	I	Reset signal
82	NMI	I	Non maskable interrupt signal
83	STBY	+-	Standby mode signal
84	VCC	+	Power supply pin
U-7	, cc		- outer earlier han

Pin No.	Pin Name	I/O	Pin Description
85	XTAL	_	Crystal oscillator (18.432 MHz)
86	EXTAL	_	Crystal oscillator (18.432 MHz)
87	VSS	_	Ground pin
88	PF7	О	Not used (open)
89	VCC	_	Power supply pin
90 – 96	PF6 – PF0	О	Not used (open)
97	UNI SO	О	SONY Bus data output
98	UNI SI	I	SONY Bus data input
99	VSS	_	Ground pin
100	VSS	_	Ground pin
101	UNI SCK	I	SONY Bus clock input
102	P53	О	Not used (open)
103	AVCC	_	Power supply pin for A/D converter
104	VREF	_	Reference voltage for A/D converter
105 – 111	P42 – P46	О	Not used (Connecting to ground.)
112	P47(SA DATA)	I	Spectrum analyzer data input
113	AVSS	_	Ground pin
114	VSS	_	Ground pin
115 – 122	P17 – P10	О	Not used (open)
123	MD0	_	Mode select
124	MD1	_	Mode select
125	MD2	_	Mode select
126 – 128	PG0 – PG2	О	Not used (open)

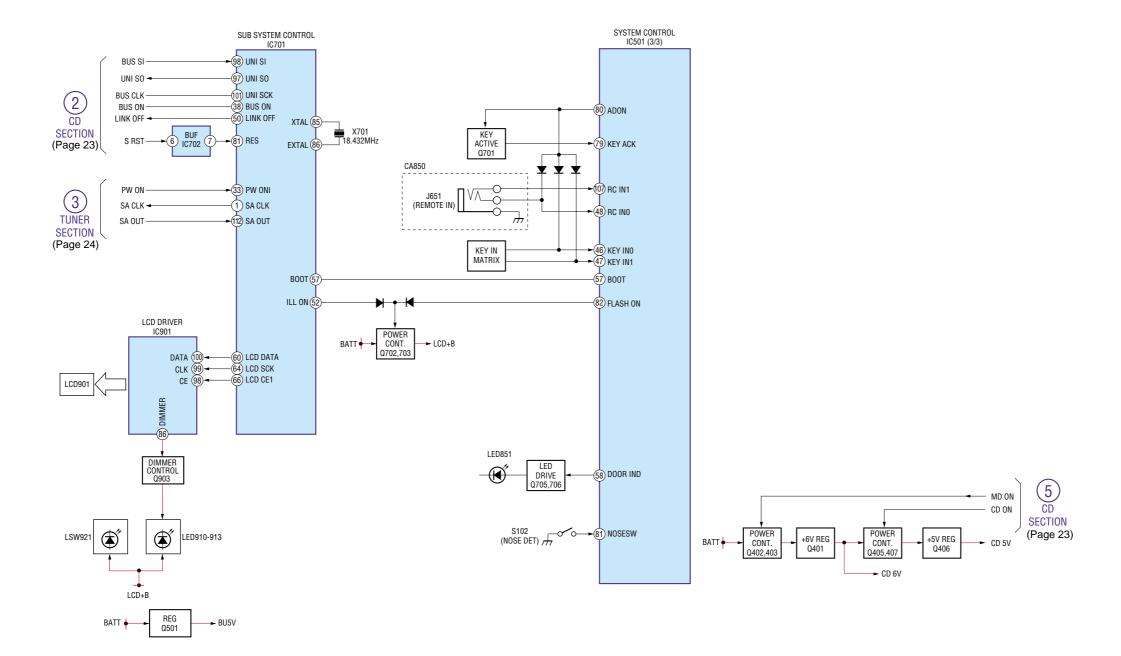
3-2. BLOCK DIAGRAM — CD SECTION —



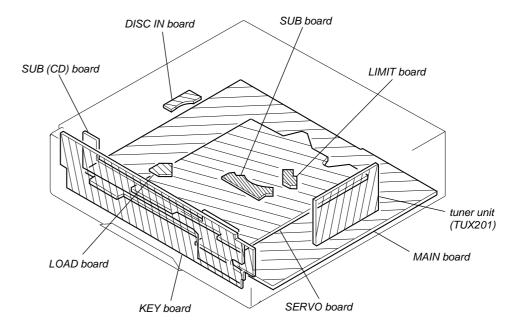
3-3. BLOCK DIAGRAM — TUNER SECTION —



3-4. BLOCK DIAGRAM — DISPLAY SECTION —



3-5. CIRCUIT BOARDS LOCATION



THIS NOTE IS COMMON FOR PRINTED WIRING **BOARDS AND SCHEMATIC DIAGRAMS.** (In addition to this, the necessary note is printed in each block.)

for schematic diagram:

- All capacitors are in μF unless otherwise noted. pF: μμF 50 WV or less are not indicated except for electrolytics and tantalums.
- All resistors are in Ω and $^{1}\!/_{4}\,W$ or less unless otherwise specified.

Note:

spécifié.

pour la sécurité.

Les composants identifiés par

une marque \triangle sont critiques

Ne les remplacer que par une

piéce portant le numéro

- % : indicates tolerance.
- : internal component.
- _____: panel designation.

Note:

The components identified by mark rianlge or dotted line with mark \triangle are criti-

cal for safety. Replace only with part number specified.

: B+ Line.

- Power voltage is dc 14.4V and fed with regulated dc power supply from ACC and BATT cords.
- Voltages are taken with a VOM (Input impedance 10 $M\Omega$). Voltage variations may be noted due to normal production tolerances.
- Waveforms are taken with a oscilloscope. Voltage variations may be noted due to normal production tolerances.
- Circled numbers refer to waveforms.
- · Signal path.
- ⇔ : FM
- : AM/MW/LW
- : CD

for printed wiring boards:

- • : parts extracted from the component side.
- — : parts extracted from the conductor side.
- parts mounted on the conductor side.
- O: Through hole.
- Pattern from the side which enables seeing. (The other layer's patterns are not indicated.)

Caution:

(Side B)

Pattern face side: Parts on the pattern face side seen from the

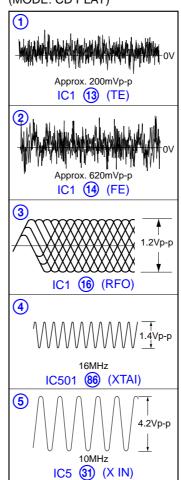
pattern face are indicated.

Parts face side: Parts on the parts face side seen from the (Side A) parts face are indicated.

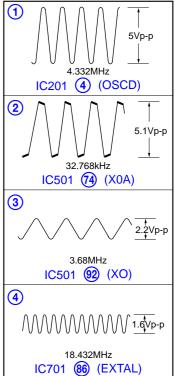
Waveforms

- Servo Board -

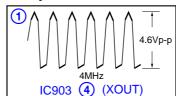
(MODE: CD PLAY)



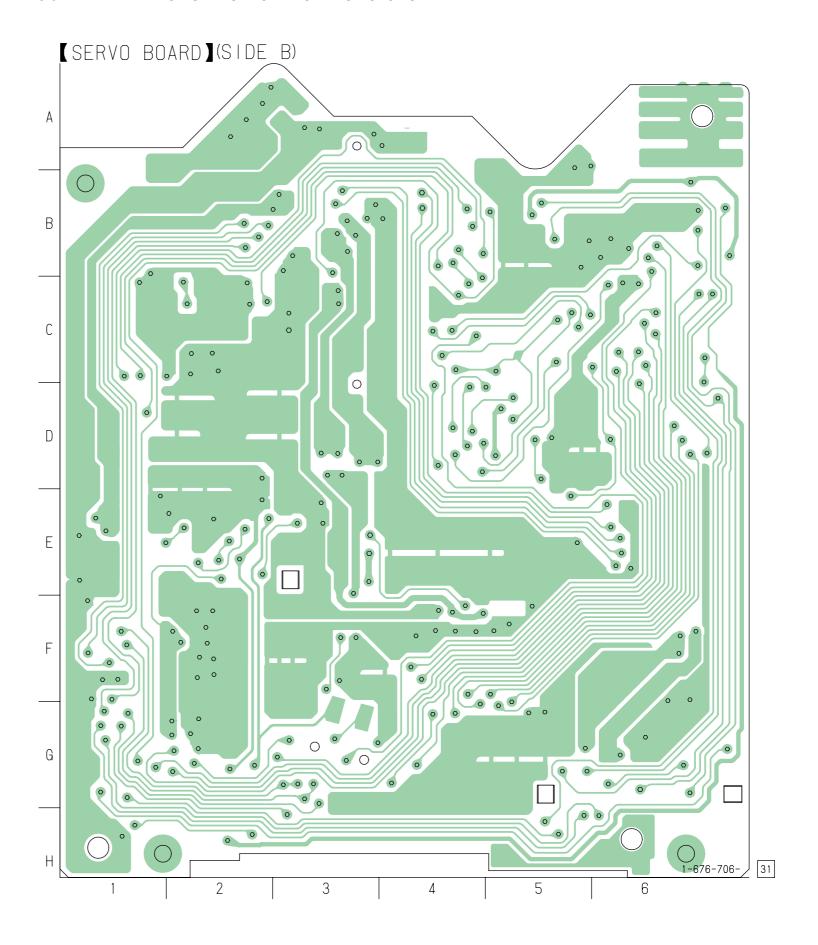
- Main Board -

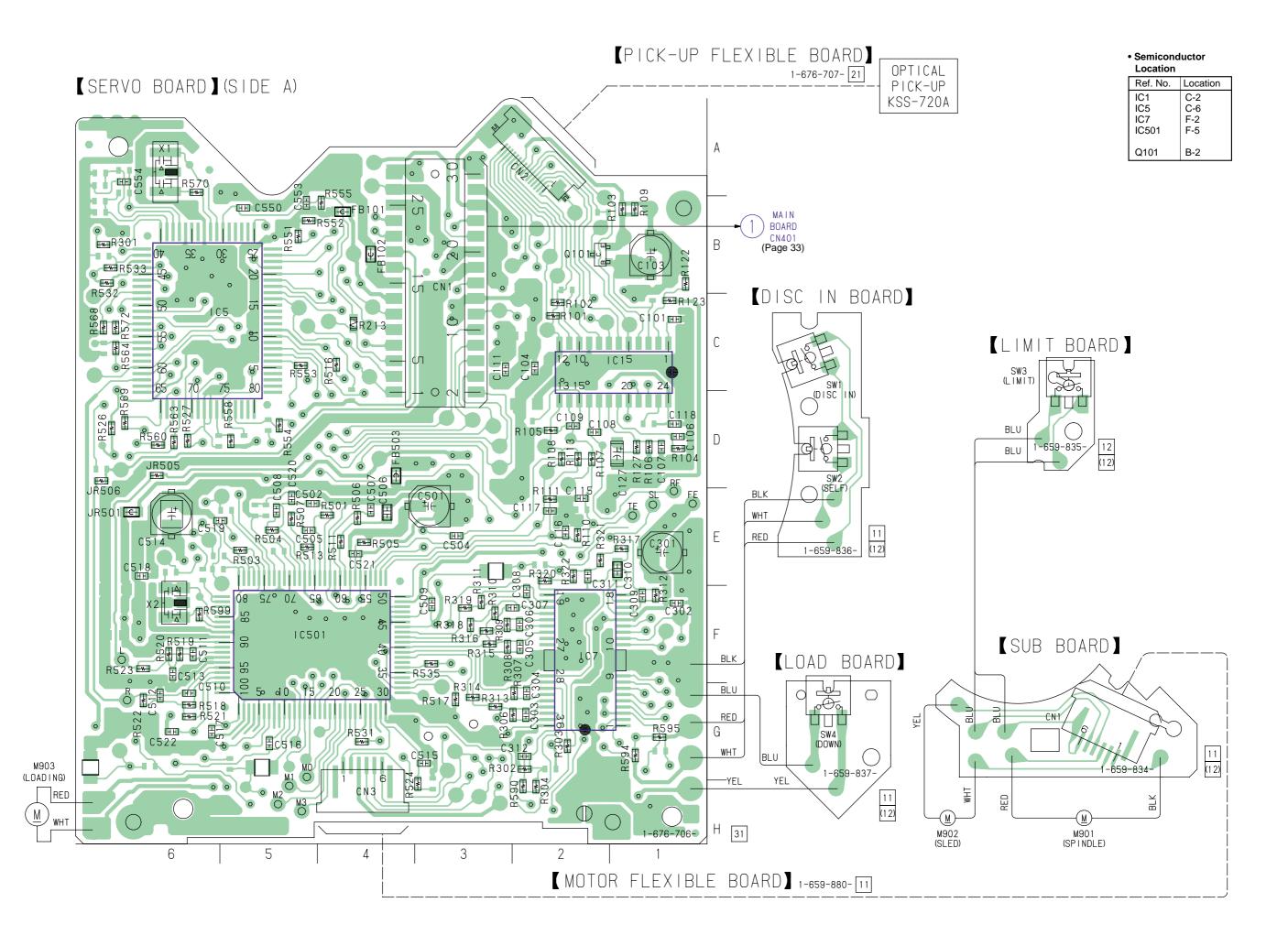


- Key Board -



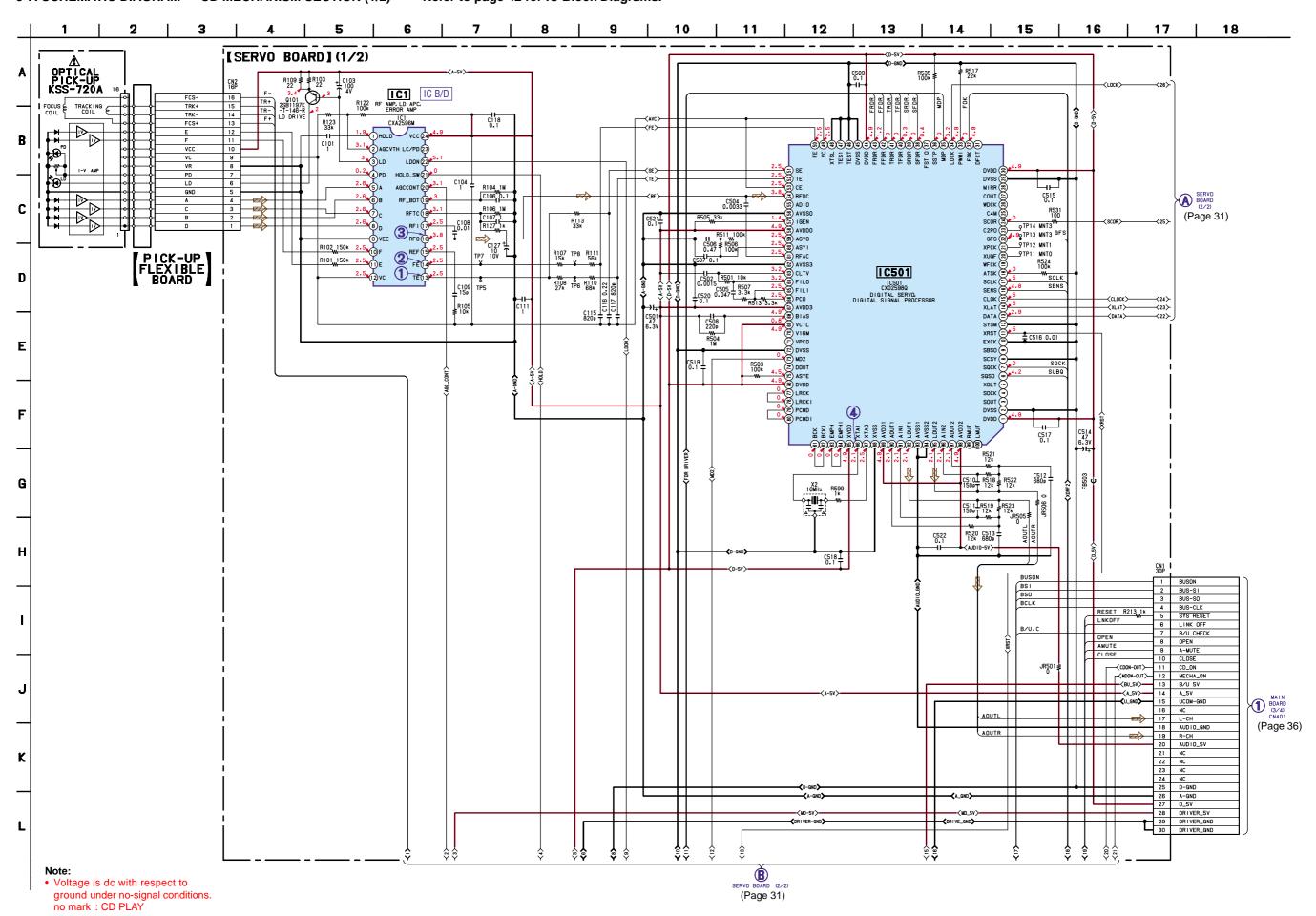
3-6. PRINTED WIRING BOARDS — CD MECHANISM SECTION —





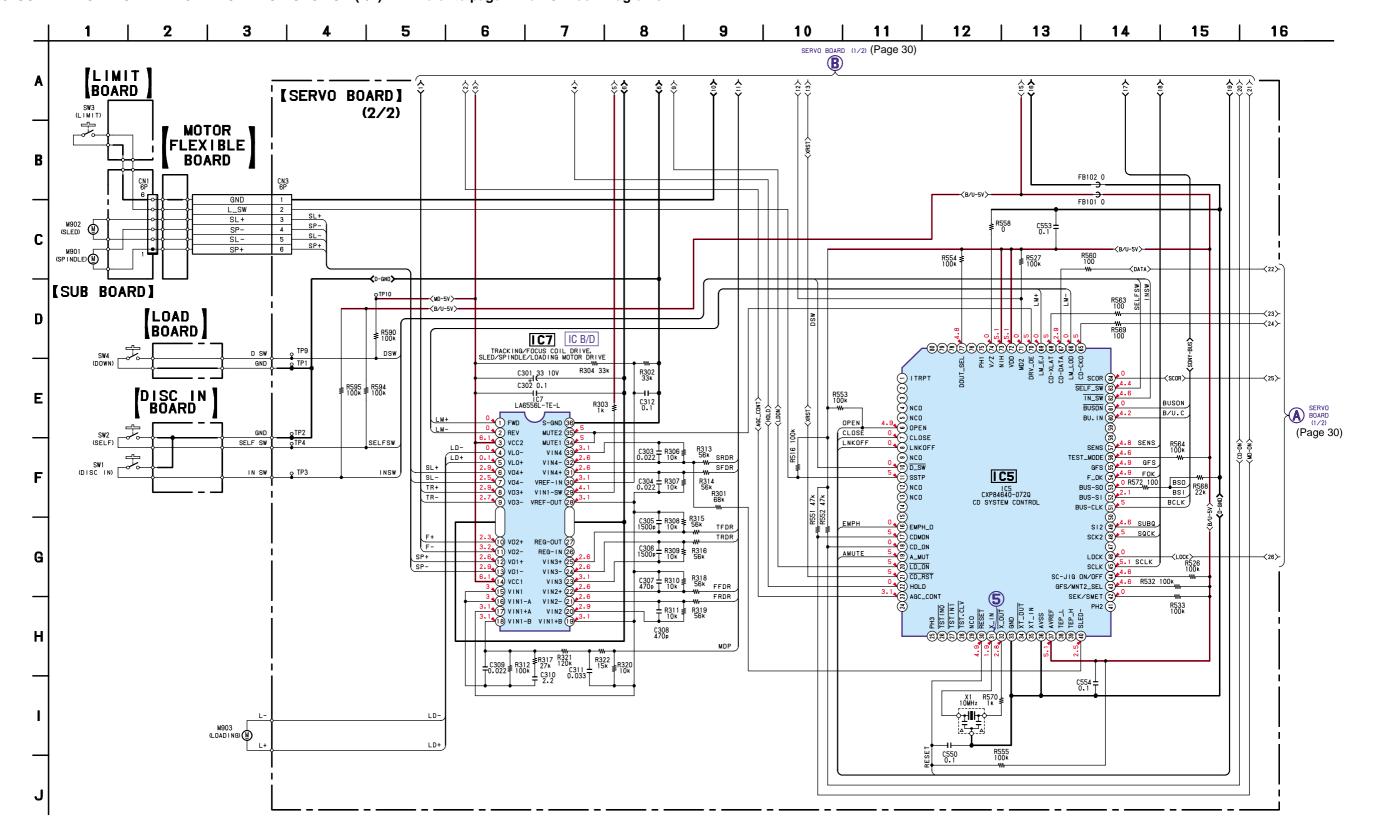
• Refer to page 27 for Waveforms.

3-7. SCHEMATIC DIAGRAM — CD MECHANISM SECTION (1/2) — • Refer to page 42 for IC Block Diagrams.



• Refer to page 27 for Waveforms.

3-8. SCHEMATIC DIAGRAM — CD MECHANISM SECTION (2/2) — • Refer to page 42 for IC Block Diagrams.



Note:

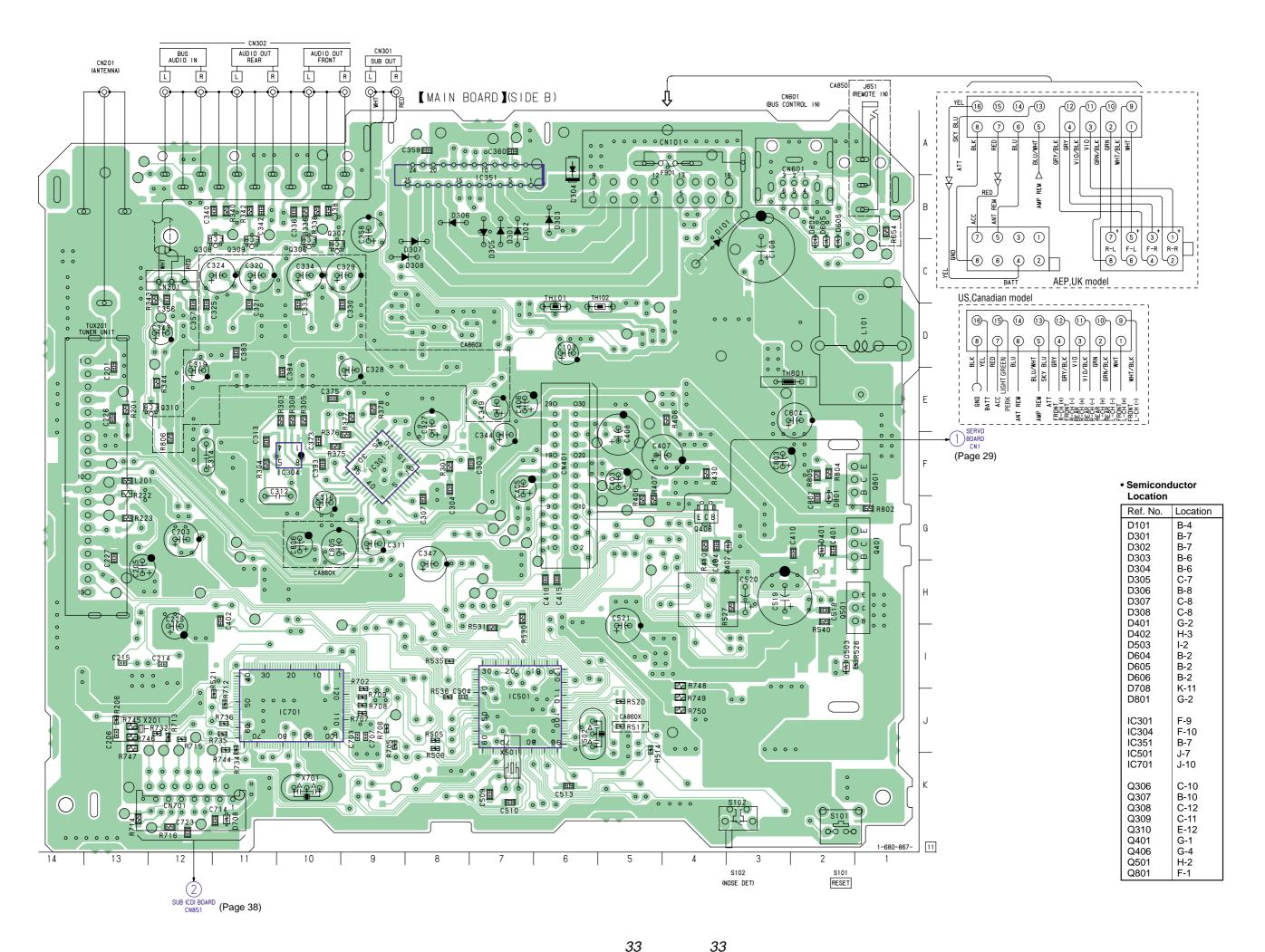
Voltage is dc with respect to ground under no-signal conditions. no mark: CD PLAY

3-9. PRINTED WIRING BOARDS — MAIN SECTION —



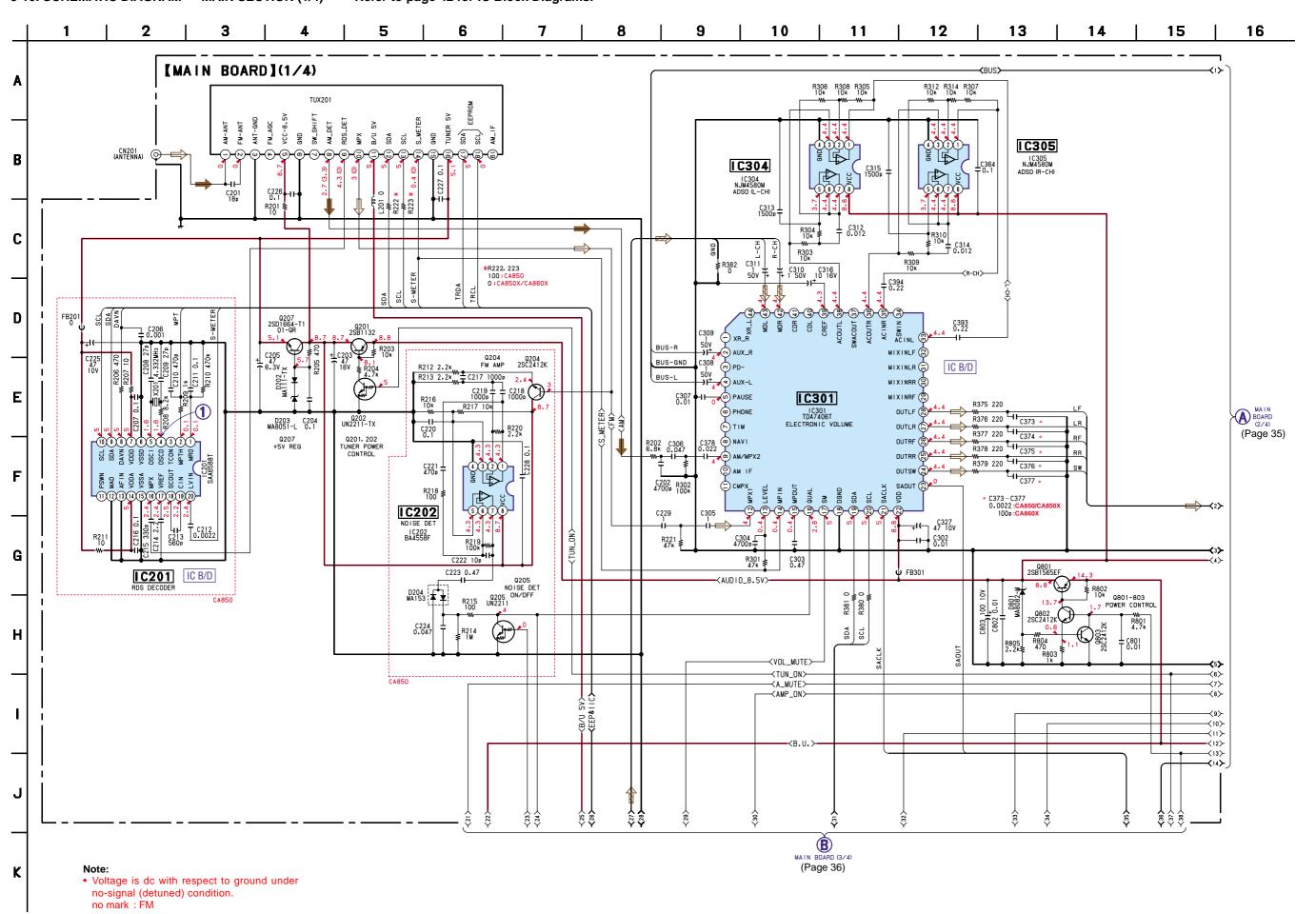
Semiconductor Location

Ref. No.	Location	Ref. No.	Location
D102	C-5	IC310	D-12
D105	D-7	IC502	K-6
D106	C-7	IC601	D-3
D107	C-5	IC702	J-10
D110	E-5	IC801	H-10
D202	G-12		
D203	G-12	Q101	C-4
D204	I-11	Q102	D-5
D310	G-8	Q103	B-5
D311	H-7	Q104	C-6
D501	K-5	Q105	C-6
D504	K-6	Q106	C-5
D505	K-7	Q201	G-11
D601	D-4	Q202	G-12
D603	C-2	Q204	G-11
D607	E-3	Q205	H-11
D608	D-3	Q207	H-12
D609	D-3	Q303	G-8
D610	D-4	Q304	G-7
D653	K-9	Q402	H-2
D703	K-13	Q403	H-2
D707	K-13	Q405	G-3
D715	J-4	Q407	G-4
D802	H-10	Q602	C-3
10004		Q603	C-3
IC201	I-13	Q701	K-8
IC202 IC302	H-11	Q702	J-3
	D-11	Q703	J-4
IC303	D-10	Q705	K-3 K-4
IC305	F-11	Q706	
IC308 IC309	E-11 E-10	Q802 Q803	G-2 F-2
10309	E-10	Q003	Γ-Ζ

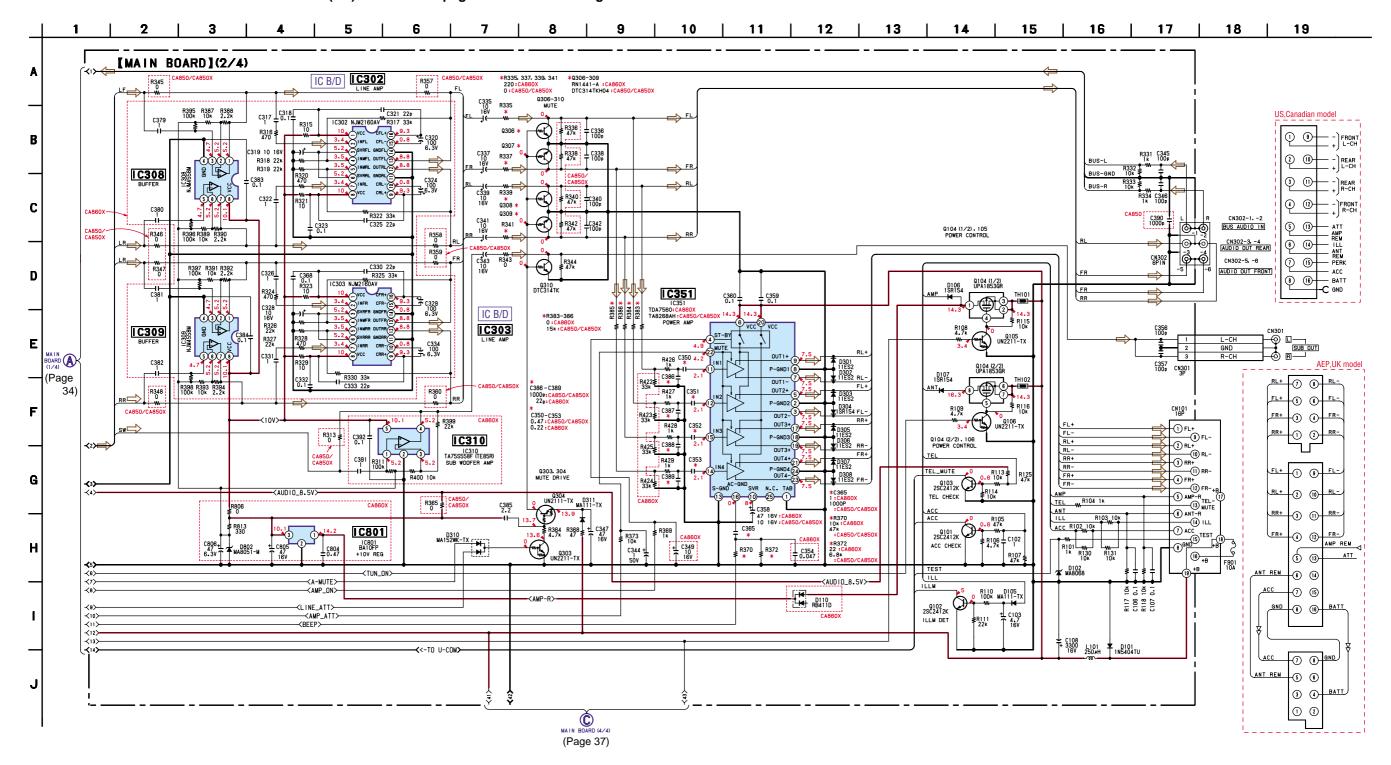


• Refer to page 27 for Waveforms.

3-10. SCHEMATIC DIAGRAM — MAIN SECTION (1/4) — • Refer to page 42 for IC Block Diagrams.



3-11. SCHEMATIC DIAGRAM — MAIN SECTION (2/4) — • Refer to page 43 for IC Block Diagrams.

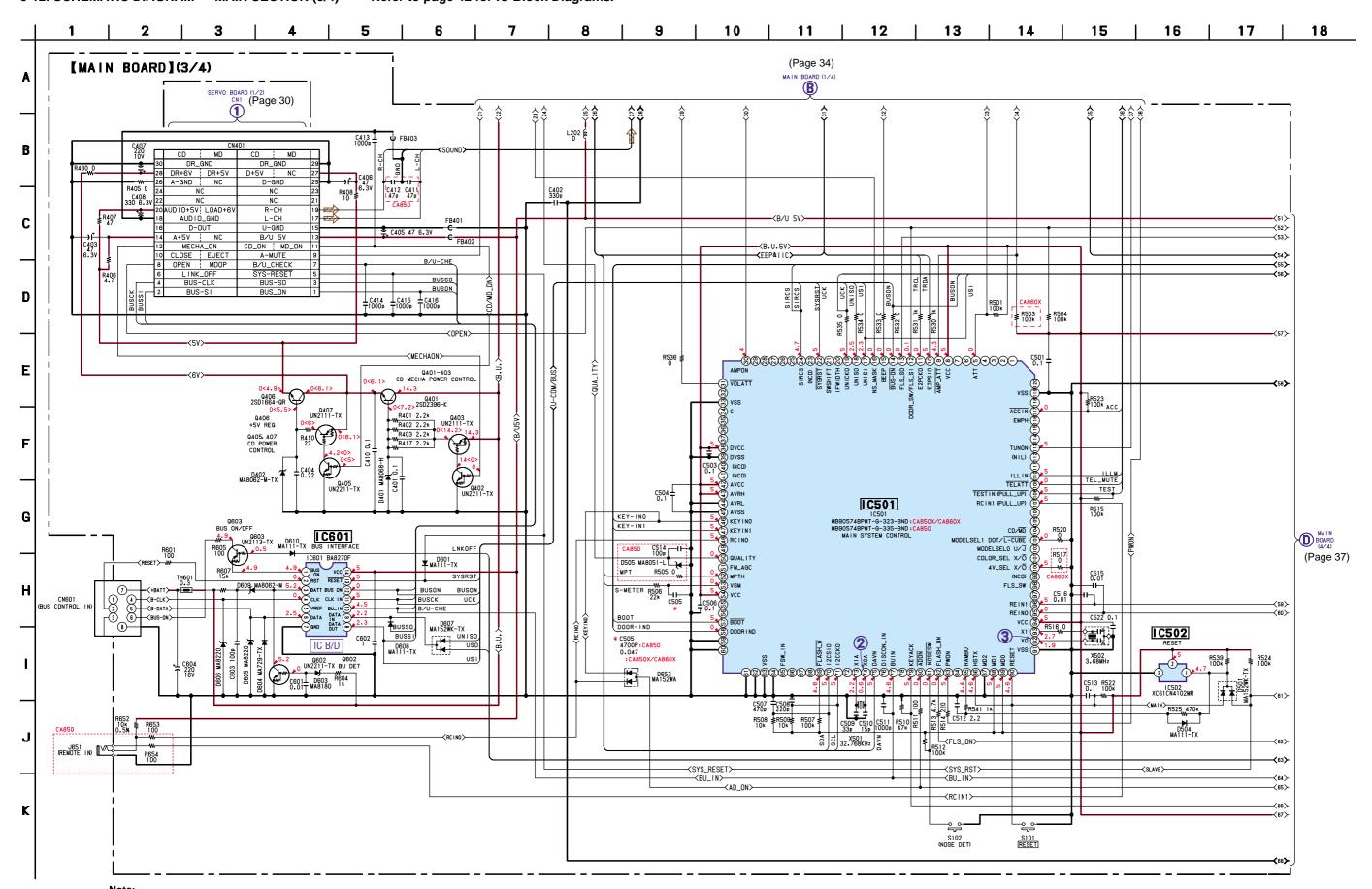


Note:

Voltage is dc with respect to ground under no-signal (detuned) condition.
 no mark: FM

• Refer to page 27 for Waveforms.

3-12. SCHEMATIC DIAGRAM — MAIN SECTION (3/4) — • Refer to page 42 for IC Block Diagrams.

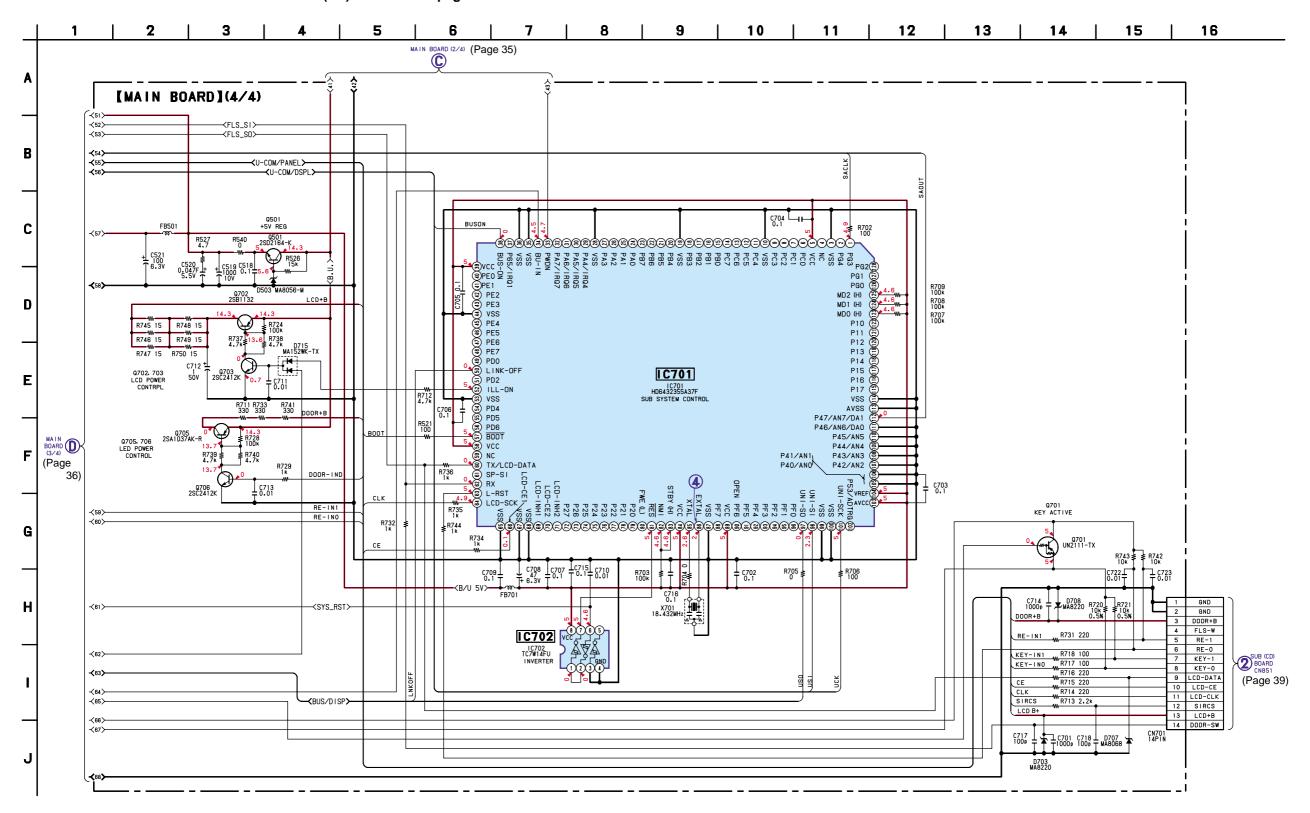


 Voltage is dc with respect to ground under no-signal (detuned) condition.

no mark: FM

): AM/MW/LW > : CD PLAY

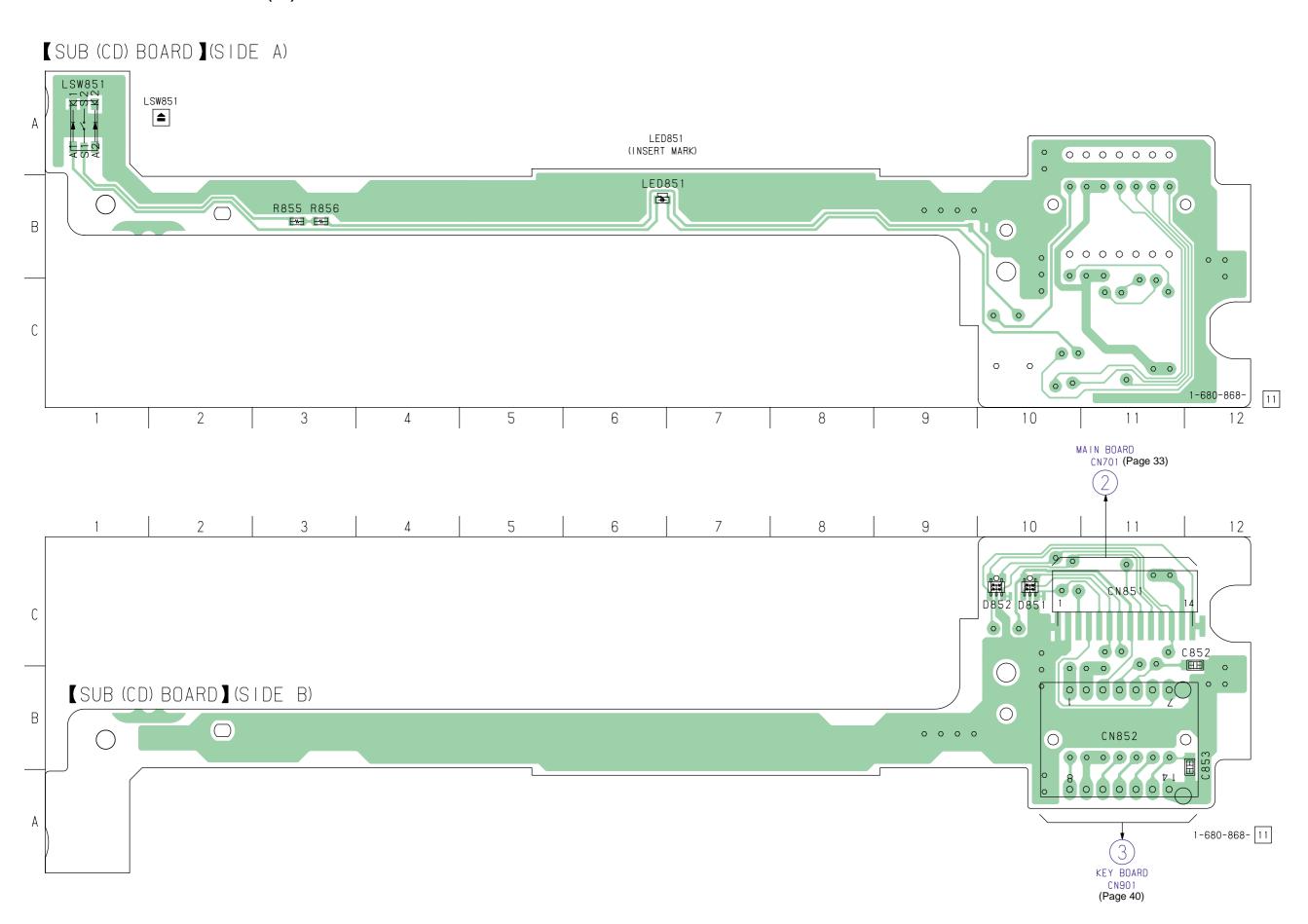
3-13. SCHEMATIC DIAGRAM — MAIN SECTION (4/4) — • Refer to page 27 for Waveforms.



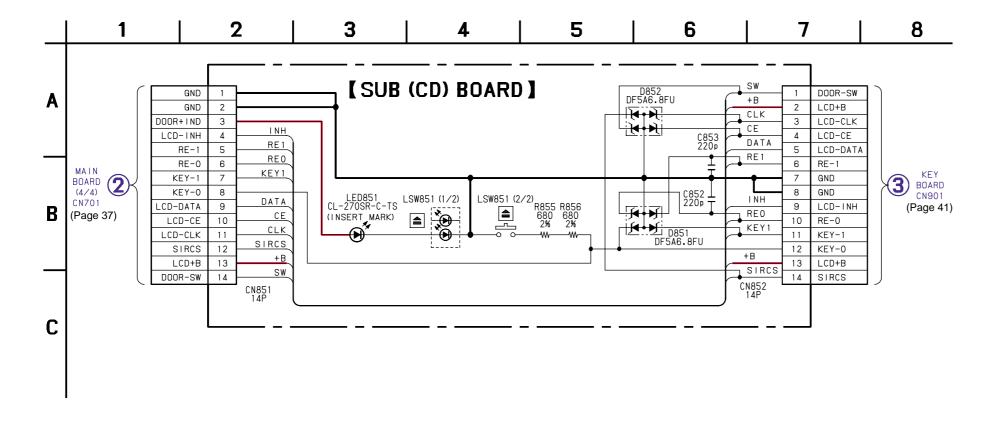
Note:

Voltage is dc with respect to ground under no-signal (detuned) condition.
 no mark: FM

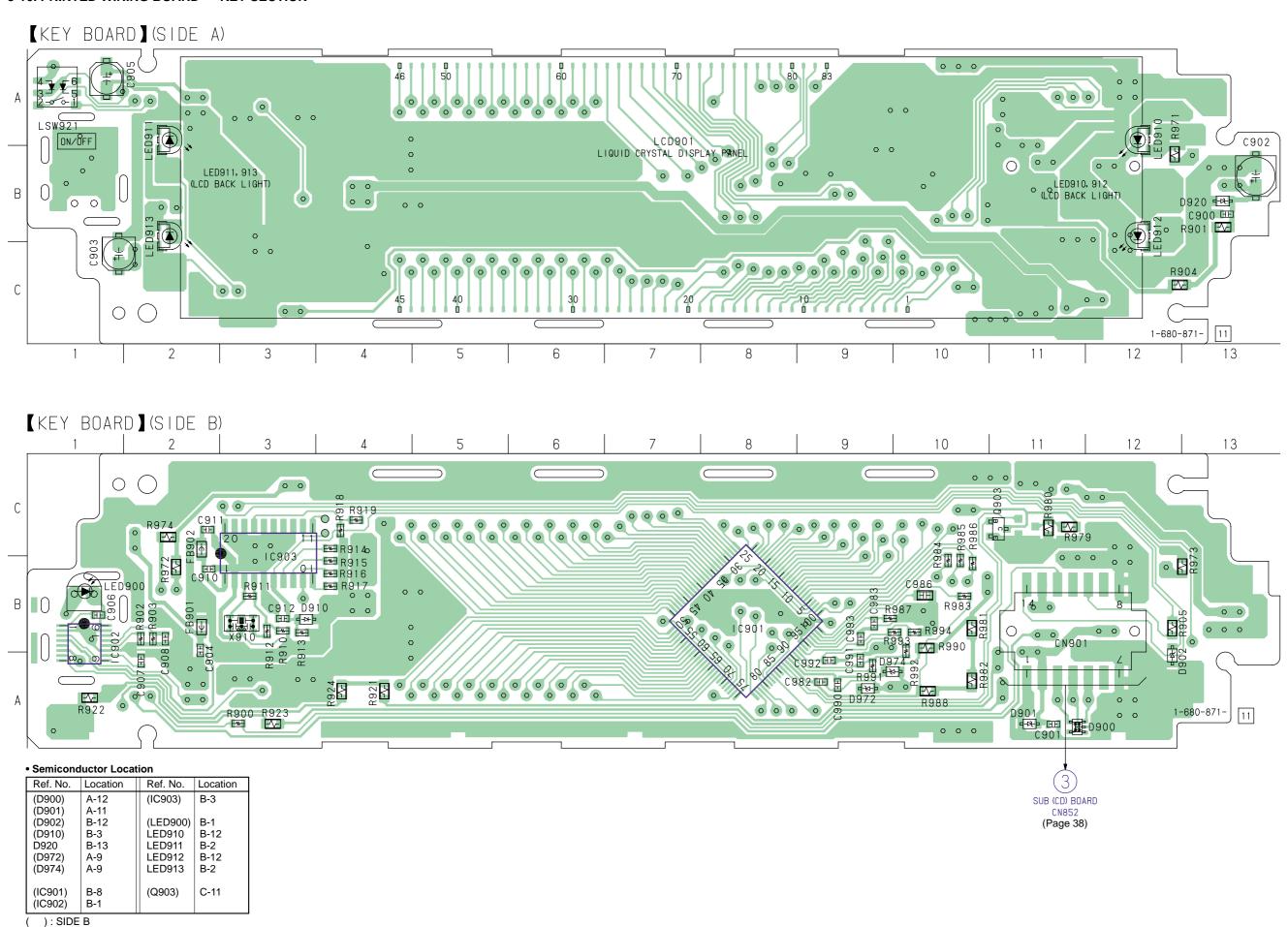
3-14. PRINTED WIRING BOARD — SUB (CD) SECTION —



3-15. SCHEMATIC DIAGRAM — SUB (CD) SECTION —



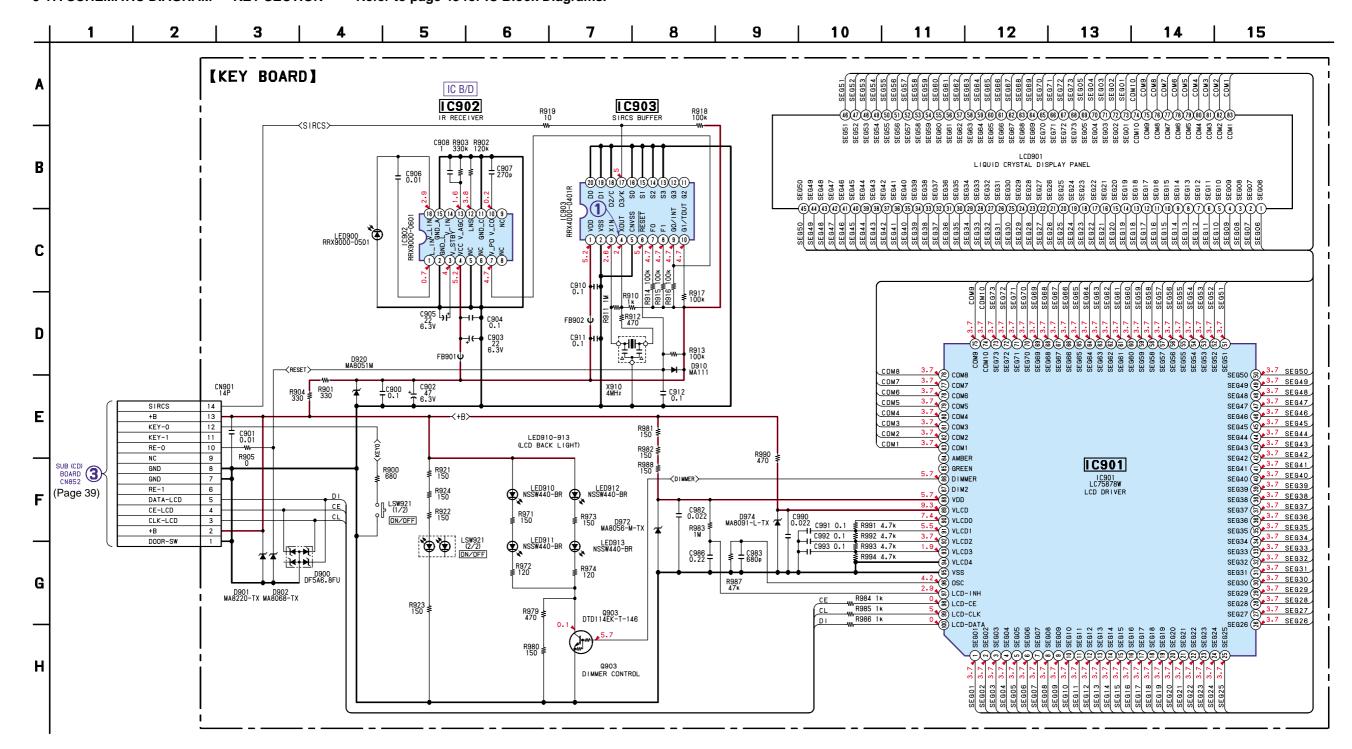
3-16. PRINTED WIRING BOARD — KEY SECTION —



40

• Refer to page 27 for Waveforms.

3-17. SCHEMATIC DIAGRAM — KEY SECTION — • Refer to page 43 for IC Block Diagrams.

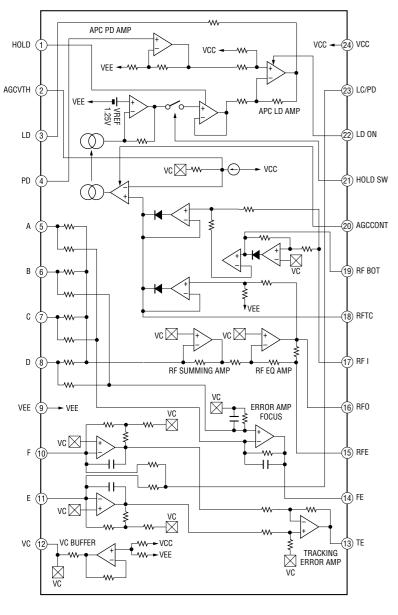


Note:

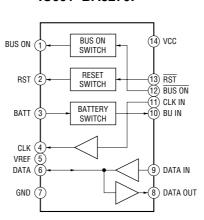
Voltage is dc with respect to ground under no-signal (detuned) condition.
 no mark: FM

• IC BLOCK DIAGRAMS

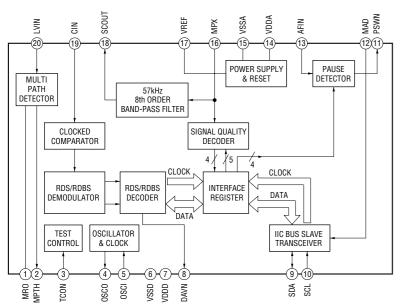
IC1 CXA2596M



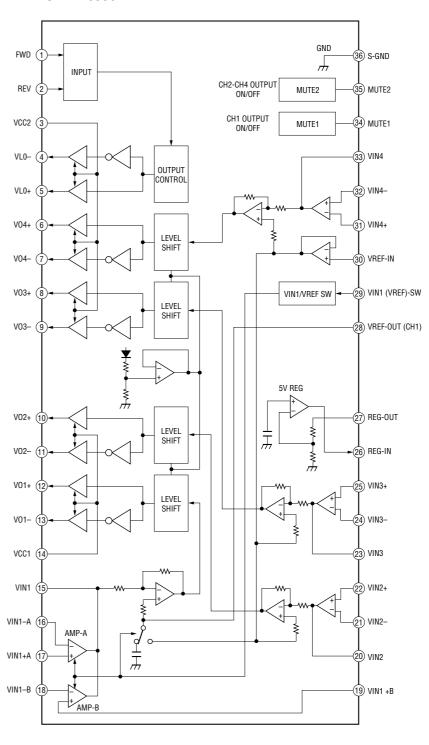
IC601 BA8270F



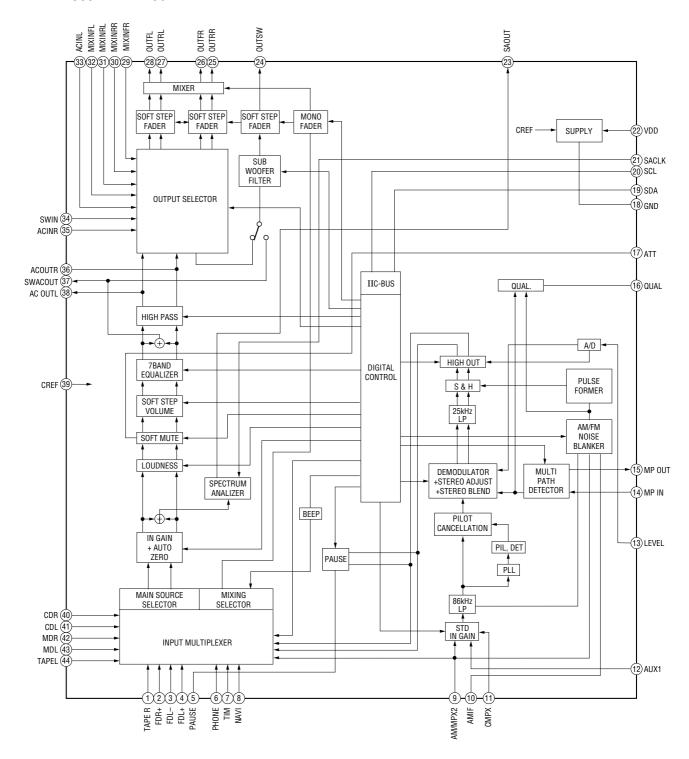
IC201 SAA6588T



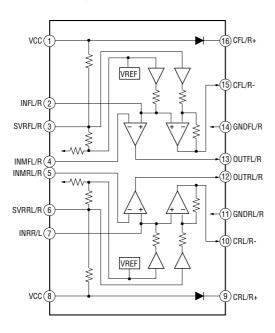
IC7 LA6556L-TE-L



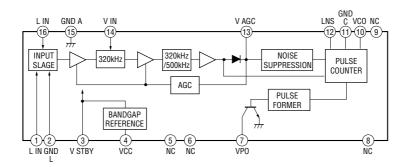
IC301 TDA7406T



IC302, 303 NJM2160AV



IC902 RRX9000-0601



SECTION 4 EXPLODED VIEWS

NOTE:

- The mechanical parts with no reference number in the exploded views are not supplied.
- Items marked "*" are not stocked since they are seldom required for routine service.
 Some delay should be anticipated when ordering these items.
- -XX and -X mean standardized parts, so they may have some difference from the original one.
- Color Indication of Appearance Parts Example :

KNOB, BALANCE (WHITE) ... (RED)

↑

Parts Color Cabinet's Color

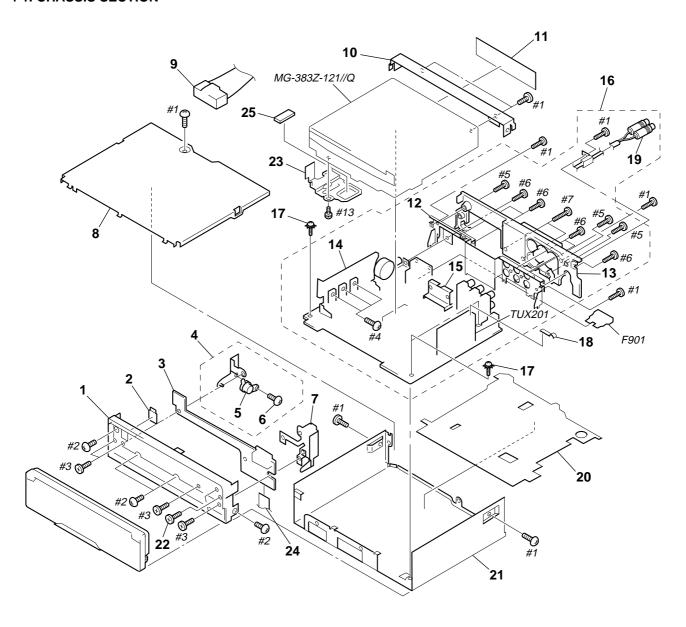
• Accessories and packing materials and hardware (# mark) list are given in the last of this parts list.

The components identified by mark \triangle or dotted line with mark \triangle are critical for safety. Replace only with part number specified.

Les composants identifiés par une marque \triangle sont critiques pour la sécurité.

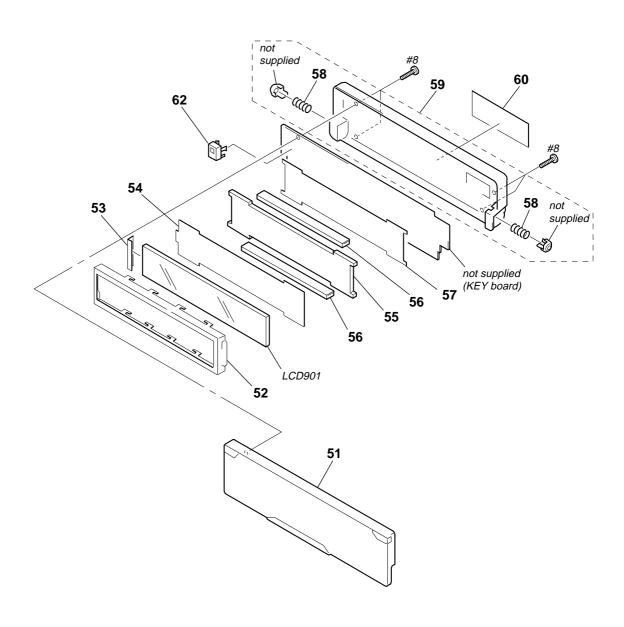
Ne les remplacer que par une piéce portant le numéro spécifié.

4-1. CHASSIS SECTION



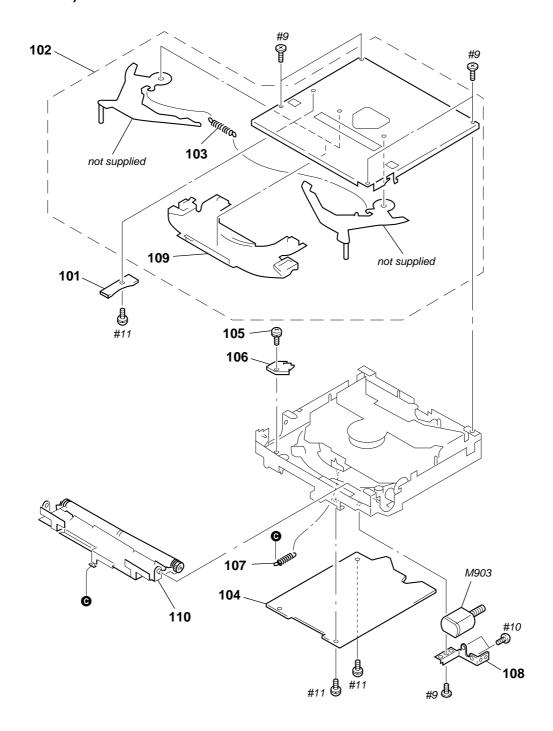
Ref. No.	Part No.	<u>Description</u>	<u>Remark</u>	<u>R</u>	ef. No.	Part No.	<u>Description</u>	<u>Remark</u>
1	X-3378-512-1	PANEL ASSY, SUB		*	15	3-040-998-01	BRACKET (IC)	
2	3-040-990-01	BUTTON (EJECT)		*	16		MAIN BOARD, COMPLETE (CA850)	
* 3	1-680-868-11	SUB (CD) BOARD		*	16		MAIN BOARD, COMPLETE (CA860X)	
4	X-3376-699-1	GEAR ASSY		*	16		MAIN BOARD, COMPLETE (CA850X)	
5	3-030-909-01	DAMPER, OIL			17	3-376-464-11	SCREW (+PTT 2.6X6), GROUND POIN	NT
6	3-713-786-51	SCREW +P 2X3		*	18	3-045-878-01	PLATE (TU), GROUND	
7	X-3377-621-1	LOCK ASSY			19	1-790-355-51	CORD (WITH CONNECTOR) (RCA)	
* 8	3-223-782-01	COVER					(SUB OU	T (MONO))
9	1-776-207-72	CORD (WITH CONNECTOR) (POWER)		*	20	3-224-755-01	SHEET, INSULATING	
		(CA850)	X/CA860X)	*	21	3-223-781-01	CHASSIS	
9	1-776-527-71	CORD (WITH CONNECTOR) (ISO) (PO	,		22	3-047-812-01	SCREW (LOCK)	
			(CA850)	١.	00	0.045.057.04	HEAT OINIK (OD)	
	0.044.040.04	DD AOMET (OD)		*	20	3-045-857-01	- (-)	
* 10	3-041-012-01	BRACKET (CD)			24	1-792-195-11	,	
* 11	3-227-287-01	SHEET, DUST PROTECTION			25	3-046-626-01	SHEET, RADIATION	
* 12	3-223-783-21	CHASSIS (BACK)			F901	1-532-877-11	, , , ,)A
* 13	3-223-780-01	HEAT SINK (CA850)			TUX201	A-3220-812-A	TUNER UNIT (TUX-020)	
* 13	3-223-780-21	HEAT SINK (CA850X/CA860X)						
* 14	3-223-785-01	HEAT SINK (REG/D)						

4-2. FRONT PANEL SECTION



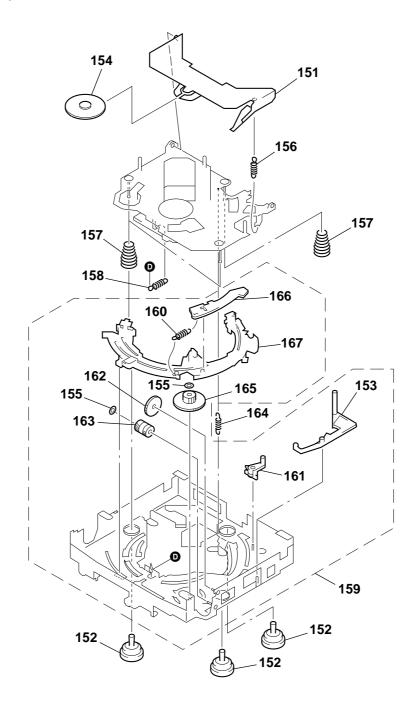
Ref. No.	Part No.	<u>Description</u>	<u>Remark</u>	Ref. No.	Part No.	Description	<u>Remark</u>
51 * 52 * 53		PANEL ASSY, FRONT PLATE (LCD), GROUND SHEFT		58 59 60	X-3380-118-1	SPRING (BEARING) PANEL ASSY, FRONT BACK PLATE (FBP), ORNAMENTAL (CA850)	
* 54 * 55	3-227-283-01	SHEET (ILLUMINATOR) PLATE (LCD), LIGHT GUIDE		60 60	3-227-286-11	PLATE (FBP), ORNAMENTAL (CA850X PLATE (FBP), ORNAMENTAL (CA860X	,
56 * 57	1-694-780-11 3-227-284-01	CONDUCTIVE BOARD, CONNECTION SHEET (REFLECTOR)		* 62 LCD901		CASE (IR-T), SHIELD DISPLAY PANEL, LIQUID CRYSTAL	

4-3. CD MECHANISM SECTION (1) (MG-383Z-121//Q)



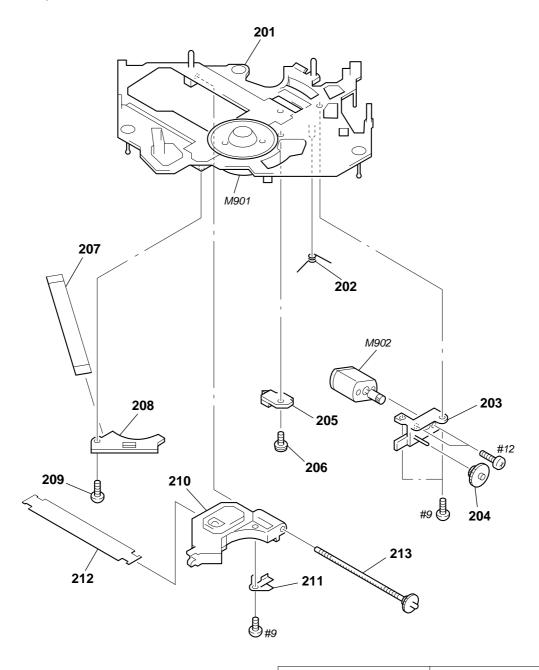
Ref. No.	Part No.	Description	<u>Remark</u>	Ref. No.	Part No.	Description	<u>Remark</u>
* 101		DISC IN BOARD		107		SPRING (RA2), TENSION COIL	
* 102 103		CHASSIS (T) ASSY SPRING (LR), TENSION		* 108 109	3-039-629-01	BRACKET (MOTOR)	
* 104		SERVO BOARD, COMPLETE		110		ROLLER ASSY, ARM	
105	3-338-737-01	SCREW (2X3), +PS		M903	A-3315-039-A	MOTOR SUB ASSY, LD (LOADING)	
* 106	1-659-837-11	LOAD BOARD					

4-4. CD MECHANISM SECTION (2) (MG-383Z-121//Q)



Ref. No.	Part No.	<u>Description</u>	<u>Remark</u>	Ref. No.	Part No.	<u>Description</u>	<u>Remark</u>
151	X-3378-956-1	ARM ASSY, CHUCKING		160	3-220-180-01	SPRING (TR2), TENSION	
152	3-931-897-61	DAMPER (T)		161	3-931-881-01	LEVER (LOCK)	
153	3-039-627-01	LEVER (D)		162	3-931-882-02	GEAR (MDL)	
154	3-040-165-01	RETAINER (DISC)		163	3-007-537-11	WHEEL (U), WORM	
155	3-018-272-01	WASHER		164	3-032-484-01	SPRING (KR1), TENSION	
156	3-931-895-01	SPRING (CH), TENSION		165	3-014-727-01	WHEEL (LW), WORM	
157	3-931-898-01	SPRING (FL), COMPRESSION		166	3-039-626-01	LEVER (TR)	
158	3-032-483-01	SPRING (KF1), TENSION		167	3-025-418-22	RING, LOADING	
159	A-3307-471-C	OVERALL ASSY, CHASSIS (M)					

4-5. CD MECHANISM SECTION (3) (MG-383Z-121//Q)



The components identified by mark \(\triangle \) or dotted line with mark △ are critical for safety.

Replace only with part number specified.

Les composants identifiés par une marque \triangle sont critiques pour la sécurité.

Ne les remplacer que par une piéce portant le numéro spécifié.

Ref. No.	Part No.	<u>Description</u>	<u>Remark</u>	Ref. No.	Part No.	<u>Description</u>	<u>Remark</u>
201	X-3378-598-1	CHASSIS (OP) ASSY (including M901))	* 208	1-659-834-11	SUB BOARD	
202	3-043-494-01	SPRING (SL), TORSION		209	3-909-607-01	SCREW	
203	3-040-170-01	BASE (DRIVING)		1 1 1 1 1 1 1 1	8-820-103-03	PICK-UP, OPTICAL KSS-720A/K1RP	
204	3-040-419-01	GEAR (MIDWAY)		211	3-025-743-01	SPRING (FEED), LEAF	
* 205	1-659-835-11	LIMIT BOARD		212	1-676-707-21	PICK-UP FLEXIBLE BOARD	
206	3-338-737-01	SCREW (2X3), +PS		213	A-3315-306-A	SHAFT (FEED) ASSY	
207	1-659-880-11	MOTOR FLEXIBLE BOARD		M902	A-3291-674-A	MOTOR ASSY, SLED (SLED)	

SECTION 5 ELECTRICAL PARTS LIST

DISC IN

KEY

NOTE:

- Due to standardization, replacements in the parts list may be different from the parts specified in the diagrams or the components used on the set.
- -XX and -X mean standardized parts, so they may have some difference from the original one.
- RESISTORS All resistors are in ohms. METAL:Metal-film resistor.

METAL OXIDE: Metal oxide-film resistor. F:nonflammable

- Items marked "*" are not stocked since they are seldom required for routine service. Some delay should be anticipated
- when ordering these items.
 SEMICONDUCTORS In each case, $u: \mu$, for example: uA.. : μA.. uPA.. : μPA.. uPB.. : μPB.. uPC.. : μPC.. uPD.. : μPD..

• CAPACITORS $uF:\,\mu F$ • COILS $uH:\; \mu H$

The components identified by mark △ or dotted line with mark \triangle are critical for safety. Replace only with part number specified.

Les composants identifiés par une marque 🛆 sont critiques pour la sécurité.

Ne les remplacer que par une piéce portant le numéro spécifié.

When indicating parts by reference number, please include the board.

Ref. No.	Part No.	<u>Description</u>			<u>Remark</u>	Ref. No.	Part No.	<u>Description</u>			<u>Remark</u>
*	1-659-836-11	DISC IN BOARD				D901	8-719-018-01	DIODE MA822	0-TX		
		******				D902	8-719-017-58	DIODE MA806			
						D910	8-719-073-01	DIODE MA111			
		< SWITCH >				D920	8-719-420-90	DIODE MASOS			
SW1	1 570 000 01	SWITCH, PUSH (I	DISC IVI)			D972	8-719-977-03	DIODE MA805	6-IVI-1 X		
SW2	1-572-288-21	. ,				D974	8-719-422-94	DIODE MA809	1-I -TX		
		*******		******	*****	20	0	2.022	. = ./.		
								< FERRITE BEA	D >		
		KEY BOARD				ED004	4 444 005 00	INDUSTRE FF	DITE DE LD		
		*****				FB901		INDUCTOR, FEF			
	1-694-780-11	CONDUCTIVE BOA	ARD CONN	ECTION		FB902	1-414-233-22	INDUCTOR, FER	NNIIE DEAD		
*		PLATE (LCD), LIG		LOTTON				< IC >			
*		PLATE (LCD), GR									
*		CASE (IR-T), SHIE				IC901	8-759-653-26	IC LC75878W			
*	3-227-283-01	SHEET (ILLUMINA	ATOR)			IC902		IC RRX9000-0			
*	0.007.004.04	CUEET (DEEL FOT	OD)			IC903	8-759-830-17	IC RRX9000-0	401R#01		
*	3-227-284-01 3-230-625-01	SHEET (REFLECT)	UK)					< LIQUID CRYS	ΤΔΙ ΝΙΟΡΙΔ	V <	
	0 200 020 01	OTILLT						CEIQUID OITIO	IAL DIOI LA		
		< CAPACITOR >				LCD901	1-804-308-11	DISPLAY PANEI	_, LIQUID CF	RYSTAL	
C900	1-164-156-11		0.1uF		25V			< DIODE >			
C901 C902	1-162-974-11	CERAMIC CHIP	0.01uF 47uF	20%	50V 6.3V	I EDOOO	0 710 002 14	LED RRX9000	0501 (ID D	ECEIVE)	
C902	1-120-205-11		47 uF 22 uF	20%	6.3V			LED NSSW440			HT)
C904		CERAMIC CHIP	0.1uF	2070	25V			LED NSSW440			
								LED NSSW440			
C905	1-135-852-21		22uF	20%	6.3V	LED913	8-719-076-58	LED NSSW440)-BRS (LCD	BACK LIG	GHT)
C906		CERAMIC CHIP	0.01uF	5 0/	50V			OMUTOU			
C907 C908		CERAMIC CHIP CERAMIC CHIP	270PF 1uF	5%	50V 10V			< SWITCH >			
C900	1-113-136-11		0.1uF		25V	I SW921	1-762-619-21	SWITCH, KEYBO	OARD (WITH	1 I FD) (O	N/OFF)
0010	1 101 100 11	OLI II IIIII O OI III	0.141		201	2011021	1 702 010 21	O 1111 O 11, 112 1 D 1	37111B (******		,,
C911	1-164-156-11	CERAMIC CHIP	0.1uF		25V			< TRANSISTOR	>		
C912		CERAMIC CHIP	0.1uF		25V						
C982		CERAMIC CHIP	0.022uF	10%	25V	Q903	8-729-904-75	TRANSISTOR	DID114EK-	I-146	
C983 C986	1-115-412-11	CERAMIC CHIP CERAMIC CHIP	680PF 0.22uF	5% 10%	25V 16V			< RESISTOR >			
0300	1 104 403 11	OLITAWIO OTIII	0.22ui	10 /0	100			< TILOIOTOTT >			
C990	1-164-227-11	CERAMIC CHIP	0.022uF	10%	25V	R900	1-216-819-11	METAL CHIP	680	5%	1/16W
C991		CERAMIC CHIP	0.1uF	10%	16V	R901	1-216-037-00		330	5%	1/10W
C992		CERAMIC CHIP	0.1uF	10%	16V	R902	1-216-846-11		120K	5%	1/16W
C993	1-10/-826-11	CERAMIC CHIP	0.1uF	10%	16V	R903	1-216-851-11 1-216-037-00		330K	5%	1/16W
		< CONNECTOR >				R904	1-210-037-00	METAL CHIP	330	5%	1/10W
		COUNTEDIONS				R905	1-216-295-11	SHORT	0		
CN901	1-794-065-22	PLUG, CONNECTO	OR 14P			R910	1-216-821-11	METAL CHIP	1K	5%	1/16W
						R911	1-216-857-11		1M	5%	1/16W
		< DIODE >				R912	1-216-817-11		470	5%	1/16W
D900	Q_71Q_070 01	DIODE DEEVE OF	III/TE0ED\			R913	1-216-845-11	METAL CHIP	100K	5%	1/16W
บลูบบ	0-112-010-01	DIODE DF5A6.8F	o(IEODN)			1					

CDX-	CA850/C	A850X/CA	\860X								
KEY	LIMIT	LOAD	MA	AIN							
Ref. No.	Part No.	<u>Description</u>			<u>Remark</u>	Ref. No.	Part No.	<u>Description</u>			Rema
R914	1-216-845-11	METAL CHIP	100K	5%	1/16W	*	A-3283-144-A	MAIN BOARD, C	OMPLETE (CA850)	
R915	1-216-845-11	METAL CHIP	100K	5%	1/16W	*	A-3283-145-A				
R916	1-216-845-11	METAL CHIP	100K	5%	1/16W	*	A-3283-146-A		MAIN BOARD, COMPLETE (CA850X)		
R917	1-216-845-11	METAL CHIP	100K	5%	1/16W			******	******	,	
R918	1-216-845-11	METAL CHIP	100K	5%	1/16W						
							1-790-355-53	CORD (WITH CO	NNECTOR)	(RCA)	
R919	1-216-797-11	METAL CHIP	10	5%	1/16W			,	,	(SUB OU	T (M0
R921	1-216-029-00	METAL CHIP	150	5%	1/10W	*	3-040-998-01	BRACKET (IC)			
R922	1-216-029-00	METAL CHIP	150	5%	1/10W	*	3-223-780-01	HEAT SINK (CA850)			
R923	1-216-029-00	METAL CHIP	150	5%	1/10W	*	3-223-780-21	HEAT SINK (CA8	HEAT SINK (CA850X/CA860X)		
R924	1-216-029-00	METAL CHIP	150	5%	1/10W	*	3-223-783-21	CHASSIS (BACK)		
R971	1-216-029-00	METAL CHIP	150	5%	1/10W	*	3-223-785-01	HEAT SINK (REG	i/D)		
R972	1-216-027-00	METAL CHIP	120	5%	1/10W		7-685-646-79	SCREW +BVTP 3		N-S	
R973	1-216-029-00	METAL CHIP	150	5%	1/10W		7-685-790-01	SCREW +PTT 2.6	6X4 (S)		
R974	1-216-027-00	METAL CHIP	120	5%	1/10W		7-685-793-09	SCREW +PTT 2.6	6X8 (S)		
R979	1-216-041-00	METAL CHIP	470	5%	1/10W		7-685-794-09	SCREW +PTT 2.6	6X10 (S)		
R980	1-216-029-00	METAL CHIP	150	5%	1/10W		7-685-797-09	SCREW +PTT 2.6	6X16 (S)		
R981	1-216-029-00	METAL CHIP	150	5%	1/10W				` ,		
R982	1-216-029-00	METAL CHIP	150	5%	1/10W			< CAPACITOR >			
R983	1-216-857-11	METAL CHIP	1M	5%	1/16W						
R984	1-216-821-11	METAL CHIP	1K	5%	1/16W	C102	1-127-573-11	CERAMIC CHIP	1uF	10%	16V
						C103	1-124-259-11	ELECT	4.7uF	20%	16V
R985	1-216-821-11	METAL CHIP	1K	5%	1/16W	C106	1-164-156-11	CERAMIC CHIP	0.1uF		25\
R986	1-216-821-11	METAL CHIP	1K	5%	1/16W	C107	1-164-156-11	CERAMIC CHIP	0.1uF		25V
R987	1-216-841-11	METAL CHIP	47K	5%	1/16W	C108	1-126-936-11	ELECT	3300uF	20%	16V

50V

50V

16V

25V

6.3V

50V

25V

50V

50V (CA850)

50V

16V

50V

50V (CA850)

6.3V

50V

25V (CA850)

50V

50V (CA850)

5%

20%

20%

10%

5%

5%

5%

10%

10%

5%

5%

10%

10%

0.0047uF 10%

18PF

47uF

0.1uF

47uF

27PF

27PF

470PF

0.1uF

560PF

2.2uF

330PF

0.1uF

0.001uF

0.001uF

0.0022uF

0.001uF

1-162-918-11 CERAMIC CHIP

1-162-968-11 CERAMIC CHIP

1-164-156-11 CERAMIC CHIP

1-162-964-11 CERAMIC CHIP

1-164-156-11 CERAMIC CHIP

1-162-920-11 CERAMIC CHIP

1-162-920-11 CERAMIC CHIP

1-164-315-11 CERAMIC CHIP

1-107-826-11 CERAMIC CHIP

1-162-966-11 CERAMIC CHIP

1-164-739-11 CERAMIC CHIP

1-135-834-11 CERAMIC CHIP

1-162-959-11 CERAMIC CHIP

1-164-156-11 CERAMIC CHIP

1-162-964-11 CERAMIC CHIP

1-162-964-11 CERAMIC CHIP

1-124-589-11 ELECT

1-126-154-11 ELECT

1-216-829-11 METAL CHIP < VIBRATOR >

1-216-029-00 METAL CHIP

1-216-041-00 METAL CHIP

1-216-829-11 METAL CHIP

1-216-829-11 METAL CHIP

1-216-829-11

R988

R990

R991

R992

R993

R994

X910

********************** 1-659-835-11 LIMIT BOARD

1-781-646-21 VIBRATOR, CERAMIC (4MHz)

METAL CHIP

150

470

4.7K

4.7K

4.7K

4.7K

5%

5%

5%

5%

5%

5%

1/10W

1/10W

1/16W

1/16W

1/16W

1/16W

C201 C202

C203

C204

C205

C206

C207

C208

C209

C210

C211

C212

C213

C214

C215

C216

C217

C218

< SWITCH >

SW3 1-572-688-11 SWITCH, PUSH (1 KEY) (LIMIT) ***********************

1-659-837-11 LOAD BOARD

< SWITCH >

SW4 1-572-288-21 SWITCH, PUSH (DOWN)

D (N	D . N	5			5 .	L D (N	D . N				
Ref. No.	Part No.	<u>Description</u>			<u>Remark</u>	Ref. No.	Part No.	<u>Description</u>			<u>Remark</u>
C219	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V (CA850)	C332	1-164-156-11	CERAMIC CHIP	0.1uF		25V (CA860X)
C220		CERAMIC CHIP	0.1uF	10%	16V (CA850)	C333	1-162-919-11	CERAMIC CHIP	22PF	5%	50V (CA860X)
C221	1-164-315-11	CERAMIC CHIP	470PF	5%	50V (CA850)	C334	1-124-584-00		100uF	20%	10V (CA860X)
C222		CERAMIC CHIP	10PF	0.5PF	50V (CA850)	C335 C336	1-124-779-00 1-162-927-11	ELECT CHIP CERAMIC CHIP	10uF 100PF	20% 5%	16V 50V
C223	1-125-891-11	CERAMIC CHIP	0.47uF	10%	10V (CA850)	C337	1-124-779-00	ELECT CHIP	10uF	20%	16V
C224	1-165-176-11	CERAMIC CHIP	0.047uF	10%	16V	C338 C339	1-162-927-11 1-124-779-00	CERAMIC CHIP ELECT CHIP	100PF 10uF	5% 20%	50V 16V
C225	1-126-785-11	ELECT	47uF	20%	(CA850) 10V	C340 C341	1-162-927-11 1-124-779-00	CERAMIC CHIP ELECT CHIP	100PF 10uF	5% 20%	50V 16V
C226	1-164-156-11	CERAMIC CHIP	0.1uF		(CA850) 25V	C342	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C227	1-164-156-11	CERAMIC CHIP	0.1uF		25V	C343	1-126-157-11	ELECT	100F	20%	16V
C228		CERAMIC CHIP	0.1uF		25V	C344	1-104-942-11	ELECT	1uF	20%	50V
					(CA850)	C345	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
					,	C346	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C229	1-125-837-11	CERAMIC CHIP	1uF	10%	6.3V						
C302	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V	C347	1-124-589-11	ELECT	47uF	20%	16V
C303	1-125-891-11	CERAMIC CHIP	0.47uF	10%	10V	C349	1-126-157-11	ELECT	10uF	20%	16V
C304	1-162-968-11	CERAMIC CHIP	0.0047uF	10%	50V						(CA860X)
C305	1-125-837-11	CERAMIC CHIP	1uF	10%	6.3V	C350	1-115-467-11	CERAMIC CHIP	0.22uF	10%	10V (CA860X)
C306 C307	1-165-176-11 1-162-970-11	CERAMIC CHIP CERAMIC CHIP	0.047uF 0.01uF	10% 10%	16V 25V	C350	1-125-891-11	CERAMIC CHIP	0.47uF		10V 50/CA850X)
C308	1-126-193-11	ELECT CHIP	1uF	20%	50V	C351	1-115-467-11	CERAMIC CHIP	0.22uF	10%	10V
C309	1-126-193-11		1uF	20%	50V						(CA860X)
C310	1-126-193-11	ELECT CHIP	1uF	20%	50V						
						C351	1-125-891-11	CERAMIC CHIP	0.47uF	10%	10V
C311	1-104-942-11		1uF	20%	50V					`	0/CA850X)
C312	1-136-154-00		0.012uF	5%	50V	C352	1-115-467-11	CERAMIC CHIP	0.22uF	10%	10V
C313	1-162-965-11	CERAMIC CHIP	0.0015uF	10%	50V						(CA860X)
C314	1-136-154-00		0.012uF	5%	50V	C352	1-125-891-11	CERAMIC CHIP	0.47uF	10%	10V
C315	1-162-965-11	CERAMIC CHIP	0.0015uF	10%	50V	0050	4 445 407 44	0504440 01110	0.00 5		50/CA850X)
0010	1-126-157-11	EL EOT	10	000/	101/	C353	1-115-467-11	CERAMIC CHIP	0.22uF	10%	10V
C316 C317	1-120-157-11		10uF 1uF	20% 10%	16V 16V	C353	1 105 001 11	CEDAMIC CUID	0.47uF	10%	(CA860X) 10V
6317	1-127-373-11	CENAIVIIC CHIP	TUF	1070	(CA860X)	0333	1-125-891-11	CERAMIC CHIP	0.47 ur		50/CA850X)
C318	1-164-156-11	CERAMIC CHIP	0.1uF		(CA600X)					(UAOS	JU/UHOJUN)
0010	1 101 100 11	OLIV WING OTHE	0.101		(CA860X)	C354	1-165-176-11	CERAMIC CHIP	0.047uF	10%	16V
C319	1-126-157-11	ELECT	10uF	20%	16V	0001		OLI II III III O	0.017 41	1070	(CA860X)
					(CA860X)	C356	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C320	1-124-584-00	ELECT	100uF	20%	10V	C357	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
					(CA860X)	C358	1-124-589-11	ELECT	47uF	20%	16V
											(CA860X)
C321	1-162-919-11	CERAMIC CHIP	22PF	5%	50V	C358	1-126-157-11	ELECT	10uF	20%	16V
C322	1-127-573-11	CERAMIC CHIP	1uF	10%	(CA860X) 16V					(CA85	50/CA850X)
					(CA860X)	C359	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C323	1-164-156-11	CERAMIC CHIP	0.1uF		25V	C360	1-164-156-11	CERAMIC CHIP	0.1uF		25V
0004	1 101 501 00	EL EOT	400 F	000/	(CA860X)	C364	1-164-156-11	CERAMIC CHIP	0.1uF	400/	25V
C324	1-124-584-00	ELECT	100uF	20%	10V	C365	1-125-837-11	CERAMIC CHIP	1uF	10%	6.3V
0005	1 100 010 11	CEDAMIC CUID	22PF	5%	(CA860X) 50V	C365	1 100 004 11	CEDAMIC CUID	0.001	10%	(CA860X) 50V
C325	1-102-919-11	CERAMIC CHIP	2277	J70	(CA860X)	6300	1-102-904-11	CERAMIC CHIP	0.001uF		50V 50/CA850X)
C326	1-127-572-11	CERAMIC CHIP	1uF	10%	16V	C368	1-164-156-11	CERAMIC CHIP	0.1uF		25V
0320	1-121-313-11	OLIMAINIO OTIIF	Tui	10 /0	(CA860X)	0300	1-104-130-11	CLIMINIC CITIF	U. Tui		(CA860X)
C327	1-126-785-11	FLECT	47uF	20%	10V	C373	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C328	1-126-157-11		10uF	20%	16V	0070	1-102-321-11	OLITAWIO OTIII	10011	J /0	(CA860X)
0020	1 120 107 11	LLLOI	Tour	2070	(CA860X)	C373	1-162-966-11	CERAMIC CHIP	0.0022uF	10%	50V
C329	1-124-584-00	FLECT	100uF	20%	10V	0070	1 102 000 11	OLIVIANIO OIIII	0.002241		50/CA850X)
0020	1 121 001 00		10001	2070	(CA860X)	C374	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C330	1-162-919-11	CERAMIC CHIP	22PF	5%	50V	307 1	. 102 021 11	J_10 0000	10011	5 / 3	(CA860X)
5550				- / -	(CA860X)	C374	1-162-966-11	CERAMIC CHIP	0.0022uF	10%	50V
					(/ /		3= 200				50/CA850X)
C331	1-127-573-11	CERAMIC CHIP	1uF	10%	16V					,	/
					(CA860X)	C375	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
					. ,						(CA860X)
											,

Ref. No.	Part No.	Description			Remark	Ref. No.	Part No.	Description			Remark
C375	1-162-966-11	CERAMIC CHIP	0.0022uF	10%	50V	C416	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
03/3	1-102-900-11	GENAIVIIG GHIF	0.00ZZUF		50V 50/CA850X)	C501	1-164-156-11	CERAMIC CHIP	0.00 TuF	10 /0	25V
C376	1-162-927-11	CERAMIC CHIP	100PF	5%	50V	C503	1-164-156-11	CERAMIC CHIP	0.1uF		25V
					(CA860X)	C504	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C376	1-162-966-11	CERAMIC CHIP	0.0022uF	10%	50V 60/CA850X)	C505	1-162-968-11	CERAMIC CHIP	0.0047uF	10%	50V
C377	1-162-927-11	CERAMIC CHIP	100PF	5%	50V						(CA850)
0077	1 102 327 11	OLITAWIO OTIII	10011	3 /0	(CA860X)	C505	1-165-176-11	CERAMIC CHIP	0.047uF	10%	16V
C377	1-162-966-11	CERAMIC CHIP	0.0022uF	10%	50V					(CA850)	X/CA860X)
				(CA85	0/CA850X)	C506	1-164-156-11	CERAMIC CHIP	0.1uF	5 0/	25V
C378	1-164-227-11	CERAMIC CHIP	0.022uF	10%	25V	C507 C508	1-164-315-11 1-164-230-11	CERAMIC CHIP CERAMIC CHIP	470PF 220PF	5% 5%	50V 50V
C379	1-104-227-11	CERAMIC CHIP	1uF	10%	6.3V	C509	1-162-921-11	CERAMIC CHIP	33PF	5%	50V
					(CA860X)						
C380	1-125-837-11	CERAMIC CHIP	1uF	10%	6.3V	C510	1-162-917-11	CERAMIC CHIP	15PF	5%	50V
0001	1 105 007 11	CEDAMIC CLUD	1	100/	(CA860X)	C511	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C381	1-125-837-11	CERAMIC CHIP	1uF	10%	6.3V (CA860X)	C512 C513	1-135-834-11 1-164-156-11	CERAMIC CHIP CERAMIC CHIP	2.2uF 0.1uF		6.3V 25V
C382	1-125-837-11	CERAMIC CHIP	1uF	10%	6.3V	C514	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
					(CA860X)						(CA850)
0000	1 101 150 11	OED ANALO OLUB	04.5		051/	0545	4 400 074 44	OED ANALO OLUD	0.04 5		501/
C383	1-164-156-11	CERAMIC CHIP	0.1uF		25V (CA860X)	C515 C516	1-162-974-11 1-162-974-11	CERAMIC CHIP CERAMIC CHIP	0.01uF 0.01uF		50V 50V
C384	1-164-156-11	CERAMIC CHIP	0.1uF		25V	C518	1-164-156-11	CERAMIC CHIP	0.01uF		25V
					(CA860X)	C519	1-107-877-11	ELECT	1000uF	20%	10V
C385	1-125-889-11	CERAMIC CHIP	2.2uF	10%	10V	C520	1-125-701-11	DOUBLE LAYERS	0.047F		5.5V
C386	1-162-919-11	CERAMIC CHIP	22PF	5%	50V (CA860X)	C521	1-124-584-00	ELECT	100uF	20%	10V
C386	1-162-964-11	CERAMIC CHIP	0.001uF	10%	(CA660X) 50V	C521	1-124-364-00	CERAMIC CHIP	0.1uF	20%	25V
0000	1 102 001 11	ozna mno om	0.00141		0/CA850X)	C601	1-162-974-11	CERAMIC CHIP	0.01uF		50V
						C602	1-125-837-11	CERAMIC CHIP	1uF	10%	6.3V
C387	1-162-919-11	CERAMIC CHIP	22PF	5%	50V	C603	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C387	1-162-964-11	CERAMIC CHIP	0.001uF	10%	(CA860X) 50V	C604	1-104-653-11	ELECT	220uF	20%	16V
0007	1 102 304 11	OLITAWIO OTIII	0.00141		0/CA850X)	C701	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C388	1-162-919-11	CERAMIC CHIP	22PF	5%	50V	C702	1-164-156-11	CERAMIC CHIP	0.1uF		25V
0000		0504440 01110	0.004 5	400/	(CA860X)	C703	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C388	1-162-964-11	CERAMIC CHIP	0.001uF	10% (CA85	50V 60/CA850X)	C704	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C389	1-162-919-11	CERAMIC CHIP	22PF	5%	50V	C705	1-164-156-11	CERAMIC CHIP	0.1uF		25V
					(CA860X)	C706	1-164-156-11	CERAMIC CHIP	0.1uF		25V
0000		0504440 01110	0.004 5	400/	5017	C707		CERAMIC CHIP	0.1uF	10%	16V
C389	1-162-964-11	CERAMIC CHIP	0.001uF		50V 60/CA850X)	C708 C709	1-126-205-11 1-107-826-11		47uF 0.1uF	20% 10%	6.3V 16V
C390	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V	0709	1-107-020-11	CENAINIC CHIP	U. Tui	10 /0	100
					(CA850)	C710	1-162-974-11	CERAMIC CHIP	0.01uF		50V
C391	1-125-837-11	CERAMIC CHIP	1uF	10%	6.3V	C711			0.01uF	10%	25V
C392	1 164 156 11	CERAMIC CHIP	0.1uF		(CA860X) 25V	C712 C713	1-126-401-21 1-162-970-11	ELECT CHIP CERAMIC CHIP	1uF 0.01uF	20% 10%	50V 25V
0332	1-104-130-11	CENAIMIC CITIF	U. Tul		(CA860X)	C714	1-162-964-11	CERAMIC CHIP	0.01uF	10%	50V
C393	1-127-715-11	CERAMIC CHIP	0.22uF	10%	16V						
						C715	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C394	1-127-715-11 1-107-826-11	CERAMIC CHIP CERAMIC CHIP	0.22uF 0.1uF	10%	16V 16V	C716 C717	1-164-156-11 1-162-927-11	CERAMIC CHIP CERAMIC CHIP	0.1uF 100PF	5%	25V 50V
C401 C402	1-107-020-11	CERAMIC CHIP	330PF	10% 10%	50V	C717		CERAMIC CHIP	100PF	5% 5%	50V 50V
C403	1-126-154-11	ELECT	47uF	20%	6.3V	C722		CERAMIC CHIP	0.01uF	0 70	50V
C404	1-165-128-11	CERAMIC CHIP	0.22uF		16V						
0.405	1 100 151 11	FLEOT	47	000/	C 0)/	C723	1-162-974-11	CERAMIC CHIP	0.01uF		50V
C405 C406	1-126-154-11 1-126-154-11		47uF 47uF	20% 20%	6.3V 6.3V	C801 C802	1-162-974-11 1-162-974-11	CERAMIC CHIP CERAMIC CHIP	0.01uF 0.01uF		50V 50V
C407	1-126-176-11		220uF	20%	10V	C803	1-128-526-11	ELECT	100uF	20%	10V
C408	1-128-057-11		330uF	20%	6.3V	C804	1-125-891-11		0.47uF	10%	10V
C410	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	222-	4 404 505 11	EL FOT	47.5	000/	4011
C411	1-162-923-11	CERAMIC CHIP	47PF	5%	50V	C805	1-124-589-11	ELEUI	47uF	20%	16V (CA860X)
0411	1-102-223-11	OLIMINIO UNIP	41 FF	J /0	(CA850)	C806	1-126-154-11	ELECT	47uF	20%	(CA86UX) 6.3V
C412	1-162-923-11	CERAMIC CHIP	47PF	5%	50V		0 .01 11			, , ,	(CA860X)
					(CA850)						•
C413	1-162-964-11 1-162-964-11	CERAMIC CHIP CERAMIC CHIP	0.001uF 0.001uF	10%	50V 50V			< CONNECTOR >			
C414 C415	1-162-964-11		0.001uF 0.001uF	10% 10%	50V 50V	CN101	1-774-701-11	PIN, CONNECTOR	16P		
00						* CN301	1-564-506-11	,			

Ref. No.	Part No.	<u>Description</u> Remark	Ref. No.	Part No.	<u>Description</u> Remark
CN401		PIN, CONNECTOR (PC BOARD) 30P	FB403		INDUCTOR, FERRITE BEAD (CA850)
CN601		PLUG, CONNECTOR (BUS CONTROL IN)	FB501		INDUCTOR, FERRITE BEAD
CN701		CONNECTOR, FFC/FPC 14P	FB701		INDUCTOR, FERRITE BEAD
		< JACK >			< IC >
CN201	1-815-185-11	JACK (ANTENNA)	IC201	8-759-492-59	IC SAA6588T/V2-118 (CA850)
		JACK, PIN 6P (BUS AUDIO IN,AUDIO OUT)	IC202		IC BA4558F-E2 (CA850)
			IC301		IC TDA7406T
		< DIODE >	IC302		IC NJM2160AV-TE2 (CA860X)
D101	0 710 040 20	DIODE 1N5404TU	IC303	8-759-826-90	IC NJM2160AV-TE2 (CA860X)
D101		DIODE MA8068	IC304	8-750-832-20	IC NJM4580M-(TE2)
D102		DIODE MA111-(K8).S0	IC305		IC NJM4580M-(TE2)
D106		DIODE 1SR154-400TE-25	IC308		IC uPC4558G2 (CA860X)
D107	8-719-053-18	DIODE 1SR154-400TE-25	IC309		IC uPC4558G2 (CA860X)
			IC310	8-759-198-34	IC TA75S558F(TE85R) (CA860X)
D110		DIODE RB411D-T146 (CA860X)	10054	0.750.000.00	10 TDAZECO (0A0COV)
D202 D203		DIODE MA111-(K8).S0 DIODE MA8051-L-TX	IC351 IC351		IC TDA7560 (CA860X) IC TA8268AH (CA850/CA850X)
D203		DIODE 1SS226 (CA850)	IC501		IC MB90574BPMT-G-335-BND (CA850)
D301		DIODE 11ES2	IC501		IC MB90574BPMT-G-323-BND
					(CA850X/CA860X)
D302		DIODE 11ES2	IC502	8-759-828-22	IC XC61CN4102MR
D303		DIODE 11ES2			
D304		DIODE 1SR154-400TE-25	IC601		IC BA8270F-E2
D305 D306		DIODE 11ES2 DIODE 11ES2	IC701 IC702		IC HD6432355A37F IC TC7W14FU(TE12R)
D300	0-713-200-02	DIODE TIESZ	IC801		IC BA10FP-E2 (CA860X)
D307	8-719-200-82	DIODE 11ES2	10001	0 700 100 00	10 2711011 22 (07100077)
D308	8-719-200-82	DIODE 11ES2			< JACK >
D310		DIODE 1SS184			
D311		DIODE MA111-(K8).SO	J651	1-566-822-41	JACK (REMOTE IN) (CA850)
D401	8-/19-01/-6/	DIODE MA8068-H			< COIL >
D402	8-719-422-64	DIODE MA8062-M			< GOIL >
D501		DIODE 1SS184	L101	1-419-476-11	COIL, CHOKE 250uH
D503	8-719-977-03	DIODE DTZ5.6B	L201	1-216-864-11	· · · · · · · · · · · · · · · · · · ·
D504		DIODE MA111-(K8).S0	L202	1-216-296-11	SHORT 0
D505	8-719-422-41	DIODE MA8051-L-TX (CA850)			TDANGIOTOD
D601	8-710-073-01	DIODE MA111-(K8).S0			< TRANSISTOR >
D603		DIODE MA8180	Q101	8-729-120-28	TRANSISTOR 2SC1623-L5L6
D604		DIODE MA729	Q102		TRANSISTOR 2SC1623-L5L6
D605	8-719-018-01	DIODE MA8220-TX	Q103	8-729-120-28	TRANSISTOR 2SC1623-L5L6
D606	8-719-018-01	DIODE MA8220-TX	Q104		TRANSISTOR UPA1853GR-9JG-E1
D607	0 710 001 70	DIODE 100104	Q105	8-729-421-22	TRANSISTOR UN2211
D607 D608		DIODE 1SS184 DIODE MA111-(K8).S0	Q106	8_720_421_22	TRANSISTOR UN2211
D609		DIODE MA8062-M	Q201		TRANSISTOR 2SB1115A-YQ
D610		DIODE MA111-(K8).S0	Q202		TRANSISTOR UN2211
D653	8-719-820-05	DIODE 1SS181	Q204	8-729-120-28	TRANSISTOR 2SC1623-L5L6 (CA850)
			Q205	8-729-421-22	TRANSISTOR UN2211 (CA850)
D703		DIODE MASSOS	0207	0 700 000 05	TDANCICTOR OCDICCA OD
D707 D708		DIODE MA8068 DIODE MA8220-TX	Q207 Q303		TRANSISTOR 2SD1664-QR TRANSISTOR UN2211
D700		DIODE 1SS184	Q304		TRANSISTOR UN2111
D801		DIODE MA8082-M	Q306		TRANSISTOR RN1441-A(TE85L) (CA860X)
			Q306		TRANSISTOR DTC314TKH04 (CA850/CA850X)
D802	8-719-420-92	DIODE MA8051-M-TX		0 700 00: -	TRANSPORTED BANKEY ASTRONOMY
		. FEDDITE DEAD .	Q307		TRANSISTOR RN1441-A(TE85L) (CA860X)
		< FERRITE BEAD >	Q307 Q308		TRANSISTOR DTC314TKH04 (CA850/CA850X) TRANSISTOR RN1441-A(TE85L) (CA860X)
FB201	1-414-235-22	INDUCTOR, FERRITE BEAD (CA850)	Q308		TRANSISTOR DTC314TKH04 (CA850/CA850X)
FB301		INDUCTOR, FERRITE BEAD	Q309		TRANSISTOR RN1441-A(TE85L) (CA860X)
FB401		INDUCTOR, FERRITE BEAD			, , , ,
FB402		INDUCTOR, FERRITE BEAD	Q309	8-729-920-21	TRANSISTOR DTC314TKH04 (CA850/CA850X)
FB403	1-414-234-22	INDUCTOR, FERRITE BEAD (CA850X/CA860X)	I		

Ref. No.	Part No.	<u>Description</u>			<u>Remark</u>	Ref. No.	Part No.	Description			Remark
Q310	8-729-920-21	TRANSISTOR	DTC314TKHC	14		R210	1-216-853-11	METAL CHIP	470K	5%	1/16W
Q401		TRANSISTOR		77		11210	1-210-033-11	WILIAL OITH	47010	J /0	(CA850)
Q402		TRANSISTOR				R211	1-216-797-11	METAL CHIP	10	5%	1/16W
Q403		TRANSISTOR					. 2.0 . 0		. •	0,10	(CA850)
Q405		TRANSISTOR				R212	1-216-825-11	METAL CHIP	2.2K	5%	1/16W
Q406	8-729-920-85	TRANSISTOR	25D1664-OB	,		R213	1-216-825-11	METAL CHIP	2.2K	5%	(CA850) 1/16W
Q400 Q407	8-729-424-08	TRANSISTOR		ı		nz i s	1-210-025-11	WEIAL UNIF	2.2N	J /0	(CA850)
Q501	8-729-040-17	TRANSISTOR				R214	1-216-857-11	METAL CHIP	1M	5%	1/16W
Q602		TRANSISTOR				11.211	1 210 007 11	WEINE OITH	1101	0 /0	(CA850)
Q603		TRANSISTOR									(071000)
						R215	1-216-809-11	METAL CHIP	100	5%	1/16W
Q701	8-729-424-08	TRANSISTOR	UN2111								(CA850)
Q702	8-729-106-60	TRANSISTOR	2SB1115A-Y	Q		R216	1-216-833-11	METAL CHIP	10K	5%	1/16W
Q703	8-729-120-28	TRANSISTOR	2SC1623-L5I	L6							(CA850)
Q705	8-729-026-49	TRANSISTOR	2SA1037AK-	T146-R		R217	1-216-833-11	METAL CHIP	10K	5%	1/16W
Q706	8-729-120-28	TRANSISTOR	2SC1623-L5I	L6							(CA850)
						R218	1-216-809-11	METAL CHIP	100	5%	1/16W
Q801	8-729-024-95	TRANSISTOR									(CA850)
Q802	8-729-120-28	TRANSISTOR				R219	1-216-845-11	METAL CHIP	100K	5%	1/16W
Q803	8-729-120-28	TRANSISTOR	2SC1623-L5I	L6							(CA850)
		, DECICTOR .				R220	1-216-825-11	METAL CLID	2.2K	5%	1/16W
		< RESISTOR >				K220	1-210-020-11	METAL CHIP	Z.ZN	3%	(CA850)
R101	1-216-821-11	METAL CHIP	1K	5%	1/16W	R221	1-216-841-11	METAL CHIP	47K	5%	1/16W
R102	1-216-073-00	METAL CHIP	10K	5%	1/10W	R222	1-216-809-11	METAL CHIP	100	5%	1/16W
R103	1-216-073-00	METAL CHIP	10K	5%	1/10W	11222	1 210 003 11	WEIZE OIIII	100	3 /0	(CA850)
R104	1-216-821-11	METAL CHIP	1K	5%	1/16W	R222	1-216-864-11	SHORT	0	(CA85	(07.600) (0X/CA860X)
R105	1-216-841-11	METAL CHIP	47K	5%	1/16W	R223	1-216-809-11	METAL CHIP	100	5%	1/16W
											(CA850)
R106	1-216-829-11	METAL CHIP	4.7K	5%	1/16W						, ,
R107	1-216-841-11	METAL CHIP	47K	5%	1/16W	R223	1-216-864-11	SHORT	0	(CA85	0X/CA860X)
R108	1-216-829-11	METAL CHIP	4.7K	5%	1/16W	R301	1-216-841-11	METAL CHIP	47K	5%	1/16W
R109	1-216-829-11	METAL CHIP	4.7K	5%	1/16W	R302	1-216-845-11		100K	5%	1/16W
R110	1-216-845-11	METAL CHIP	100K	5%	1/16W	R303	1-216-833-11	METAL CHIP	10K	5%	1/16W
						R304	1-216-833-11	METAL CHIP	10K	5%	1/16W
R111	1-216-837-11	METAL CHIP	22K	5%	1/16W						
R113	1-216-833-11	METAL CHIP	10K	5%	1/16W	R305	1-216-833-11	METAL CHIP	10K	5%	1/16W
R114	1-216-833-11	METAL CHIP	10K	5%	1/16W	R306	1-216-833-11	METAL CHIP	10K	5%	1/16W
R115	1-216-833-11	METAL CHIP	10K	5%	1/16W	R307	1-216-833-11	METAL CHIP	10K	5%	1/16W
R116	1-216-833-11	METAL CHIP	10K	5%	1/16W	R308 R309	1-216-833-11 1-216-833-11	METAL CHIP	10K 10K	5% 5%	1/16W 1/16W
R117	1-216-833-11	METAL CHIP	10K	5%	1/16W	ทอบฮ	1-210-033-11	WEIAL UNIF	IUK	J /0	1/1000
R118	1-216-833-11		10K	5%	1/16W	R310	1-216-833-11	METAL CHIP	10K	5%	1/16W
R125	1-216-841-11	METAL CHIP	47K	5%	1/16W	R311	1-216-845-11	METAL CHIP	100K	5%	1/16W
R130	1-216-073-00		10K	5%	1/10W		. 2.0 0.0			0,70	(CA860X)
R131	1-216-073-00	METAL CHIP	10K	5%	1/10W	R312	1-216-833-11	METAL CHIP	10K	5%	1/16W
						R313	1-216-864-11	SHORT	0	(CA8	350/CA850X)
R201	1-216-797-11	METAL CHIP	10	5%	1/16W	R314	1-216-833-11	METAL CHIP	10K	5%	1/16W
R202	1-216-831-11	METAL CHIP	6.8K	5%	1/16W						
R203	1-216-833-11	METAL CHIP	10K	5%	1/16W	R315	1-216-797-11	METAL CHIP	10	5%	1/16W
R204	1-216-829-11	METAL CHIP	4.7K	5%	1/16W						(CA860X)
R205	1-216-817-11	METAL CHIP	470	5%	1/16W	R316	1-216-817-11	METAL CHIP	470	5%	1/16W
											(CA860X)
R206	1-216-817-11	METAL CHIP	470	5%	1/16W	R317	1-216-839-11	METAL CHIP	33K	5%	1/16W
D007	4 040 707 44	METAL OLUB	40	F0/	(CA850)	D040	1 010 007 11	METAL OLUB	001/	5 0/	(CA860X)
R207	1-216-797-11	METAL CHIP	10	5%	1/16W	R318	1-216-837-11	METAL CHIP	22K	5%	1/16W
R208	1-216-832-11	METAL CUID	8.2K	5%	(CA850) 1/16W	R319	1-216-837-11	METAL CLID	22K	5%	(CA860X) 1/16W
n∠U0	1-210-032-11	IVIE IAL UNIP	o.ZN	J /0	(CA850)	פונח	1-210-03/-11	WE IAL UNIP	ZZŇ	J 70	(CA860X)
R209	1-216-821-11	METAL CHIP	1K	5%	(CA650) 1/16W						(OMOOON)
11200	. 2.0 021 11	OIIII	111	J /0	(CA850)	R320	1-216-817-11	METAL CHIP	470	5%	1/16W
					(31.000)				•	- / -	(CA860X)
											, ,

Ref. No.	Part No.	<u>Description</u>			<u>Remark</u>	Ref. No.	Part No.	<u>Description</u>			<u>Remark</u>
R321	1-216-797-11	METAL CHIP	10	5%	1/16W	R368	1-216-805-11	METAL CHIP	47	5%	1/16W
					(CA860X)	R369	1-216-821-11	METAL CHIP	1K	5%	1/16W
R322	1-216-839-11	METAL CHIP	33K	5%	1/16W	R370	1-216-833-11	METAL CHIP	10K	5%	1/16W
					(CA860X)						(CA860X)
R323	1-216-797-11	METAL CHIP	10	5%	1/16W	R370	1-216-841-11	METAL CHIP	47K	5%	1/16W
					(CA860X)					(CA8	50/CA850X)
R324	1-216-817-11	METAL CHIP	470	5%	1/16W	R372	1-216-801-11	METAL CHIP	22	5%	1/16W
					(CA860X)						(CA860X)
R325	1-216-839-11	METAL CHIP	33K	5%	1/16W [′]						,
					(CA860X)	R372	1-216-831-11	METAL CHIP	6.8K	5%	1/16W
					,					(CA8	50/CA850X)
R326	1-216-837-11	METAL CHIP	22K	5%	1/16W	R373	1-216-833-11	METAL CHIP	10K	5%	1/16W
					(CA860X)	R375	1-216-813-11	METAL CHIP	220	5%	1/16W
R327	1-216-837-11	METAL CHIP	22K	5%	1/16W ´	R376	1-216-813-11	METAL CHIP	220	5%	1/16W
					(CA860X)	R377	1-216-813-11		220	5%	1/16W
R328	1-216-817-11	METAL CHIP	470	5%	1/16W						
				• , ,	(CA860X)	R378	1-216-813-11	METAL CHIP	220	5%	1/16W
R329	1-216-797-11	METAL CHIP	10	5%	1/16W	R379	1-216-813-11	METAL CHIP	220	5%	1/16W
			. •	• , ,	(CA860X)	R380	1-216-864-11	SHORT	0	0,0	.,
R330	1-216-839-11	METAL CHIP	33K	5%	1/16W	R381	1-216-864-11	SHORT	0		
11000	1 210 000 11	WEINE OIIII	OOK	0 70	(CA860X)	R382	1-216-864-11		0		
					(0/1000/1)	11002	1 210 001 11	0110111	· ·		
R331	1-216-821-11	METAL CHIP	1K	5%	1/16W	R383	1-216-835-11	METAL CHIP	15K	5%	1/16W
R332	1-216-833-11	METAL CHIP	10K	5%	1/16W	11000	1 210 000 11	WEIAL OIIII	1010	3 /0	(CA860X)
R333	1-216-833-11	METAL CHIP	10K	5%	1/16W	R383	1-216-864-11	SHORT	0	(CA8	50/CA850X)
R334	1-216-821-11	METAL CHIP	1K	5%	1/16W	R384	1-216-835-11	METAL CHIP	15K	5%	1/16W
R335	1-216-813-11	METAL CHIP	220	5%	1/16W	11004	1-210-000-11	WILIAL OITH	1010	J /0	(CA860X)
11000	1-210-013-11	WILIAL OITH	220	J /0	(CA860X)	R384	1-216-864-11	SHORT	0	(048	50/CA850X)
					(0,000,	R385	1-216-835-11	METAL CHIP	15K	5%	1/16W
R335	1-216-864-11	SHORT	0	(CA8)	50/CA850X)	11000	1-210-000-11	WILIAL OITH	1010	J /0	(CA860X)
R336	1-216-841-11	METAL CHIP	47K	5%	1/16W						(OAOOOX)
11000	1-210-041-11	WILTAL OTHE	47 K		50/CA850X)	R385	1-216-864-11	SHORT	0	(C \ \ \	50/CA850X)
R337	1-216-813-11	METAL CHIP	220	5%	1/16W	R386	1-216-835-11	METAL CHIP	15K	5%	1/16W
11001	1-210-010-11	WILTAL OTTI	220	J /0	(CA860X)	11000	1-210-000-11	WILIAL OITH	1010	J /0	(CA860X)
R337	1-216-864-11	SHORT	0	(CAQ)	50/CA850X)	R386	1-216-864-11	SHORT	0	(C \ \ \	50/CA850X)
R338	1-216-841-11	METAL CHIP	47K	5%	1/16W	R387	1-216-833-11	METAL CHIP	10K	5%	1/16W
11000	1-210-041-11	WILTAL OTTI	7710		50/CA850X)	11007	1-210-000-11	WILIAL OITH	TUIX	J /0	(CA860X)
				(UAU	30/GA030X)	R388	1-216-825-11	METAL CHIP	2.2K	5%	1/16W
R339	1-216-813-11	METAL CHIP	220	5%	1/16W	11300	1-210-025-11	WIL TAL OTTE	2.21	J /0	(CA860X)
11000	1-210-010-11	WILTAL OTTI	220	J /0	(CA860X)						(0,000,000)
R339	1-216-864-11	SHORT	0	/C \ 0	50/CA850X)	R389	1-216-833-11	METAL CHIP	10K	5%	1/16W
R340	1-216-841-11	METAL CHIP	47K	5%	1/16W	กงอฮ	1-210-033-11	WEIAL UNIF	IUK	J /0	(CA860X)
11040	1-210-041-11	WIL TAL OTHE	47 IX		50/CA850X)	R390	1-216-825-11	METAL CUID	2.2K	5%	1/16W
R341	1-216-813-11	METAL CHID	220	5%	1/16W	11090	1-210-025-11	WIL TAL OTTE	2.21	J /0	(CA860X)
no 4 1	1-210-013-11	WETAL UNIF	220	J /0	(CA860X)	R391	1-216-833-11	METAL CHID	10K	5%	1/16W
R341	1-216-864-11	CHUDT	0	(CAQ)	50/CA850X)	11091	1-210-055-11	WIL TAL OTTE	TUK	J /0	(CA860X)
11041	1-210-004-11	3110111	U	(UAU	30/0A030X)	R392	1-216-825-11	METAL CUID	2.2K	5%	1/16W
R342	1-216-841-11	METAL CHIP	47K	5%	1/16W	nosz	1-210-025-11	WE TAL UTIL	Z.ZN	J /0	(CA860X)
N342	1-210-041-11	WETAL CHIP	4/K			Dana	1-216-833-11	METAL CHID	101/	5%	1/16W
D040	1 010 004 11	SHORT	0	(UAO	50/CA850X)	R393	1-210-033-11	WE IAL UNIP	10K	370	
R343	1-216-864-11	METAL CHIP	47K	5%	1/1CM						(CA860X)
R344	1-216-841-11	SHORT			1/16W	D204	1 016 005 11	METAL CHID	0.01/	E0/	1/16W
R345 R346	1-216-864-11 1-216-864-11	SHORT	0 0		50/CA850X) 50/CA850X)	R394	1-216-825-11	WE TAL UTIL	2.2K	5%	
N340	1-210-004-11	SHUNI	U	(UAO	JU/CAOJUX)	Dage	1 016 045 11	METAL CHID	1001/	E0/	(CA860X) 1/16W
D247	1-216-864-11	SHORT	n	/C \ 0	50/C \ 050V \	R395	1-216-845-11	WE IAL UNIP	100K	5%	
R347			0	,	50/CA850X)	Dane	1 016 045 11	METAL CHID	1001/	E0/	(CA860X)
R348	1-216-864-11	SHORT	0	•	50/CA850X)	R396	1-216-845-11	METAL CHIP	100K	5%	1/16W
R357	1-216-864-11	SHORT	0	`	50/CA850X)	Daga	1 010 045 14	METAL CLUD	1001/	E0/	(CA860X)
R358	1-216-864-11	SHORT	0	,	50/CA850X)	R397	1-216-845-11	IVIE IAL UNIP	100K	5%	1/16W
R359	1-216-864-11	SHORT	0	(UA8	50/CA850X)	Dago	1 016 045 44	METAL CLUB	1001/	E0/	(CA860X)
Daca	1 016 064 44	CHODT	0	(0.4.0)	EU/UV0EUV)	R398	1-216-845-11	IVIE IAL UHIP	100K	5%	1/16W
R360	1-216-864-11		0 4 71/	,	50/CA850X)						(CA860X)
R364	1-216-829-11	METAL CHIP	4.7K	5%	1/16W						
R365	1-216-864-11	SHORT	0	(CA8	50/CA850X)	I					

Ref. No.	Part No.	<u>Description</u>			<u>Remark</u>	Ref. No.	Part No.	<u>Description</u>			<u>Remark</u>
R399	1-216-837-11	METAL CHIP	22K	5%	1/16W	R533	1-216-864-11	SHORT	0		
11099	1-210-037-11	WILTAL OTTE	ZZI	J /0	(CA860X)	R534	1-216-864-11	SHORT	0		
D400	1-216-833-11	METAL CHID	10K	5%	1/16W	l	1-216-864-11	SHORT			
R400	1-210-033-11	METAL CHIP	IUN	370		R535			0		
D.404	1 010 005 11	METAL OLUB	0.017	5 0/	(CA860X)	R536	1-216-864-11	SHORT	0	5 0/	4 (4 0) 4 (
R401	1-216-825-11	METAL CHIP	2.2K	5%	1/16W	R539	1-216-845-11	METAL CHIP	100K	5%	1/16W
R402	1-216-825-11	METAL CHIP	2.2K	5%	1/16W						
R403	1-216-825-11	METAL CHIP	2.2K	5%	1/16W	R540	1-216-864-11	SHORT	0		
						R541	1-216-821-11	METAL CHIP	1K	5%	1/16W
R405	1-216-864-11	SHORT	0			R601	1-216-809-11	METAL CHIP	100	5%	1/16W
R406	1-216-793-11	RES-CHIP	4.7	5%	1/16W	R604	1-216-821-11	METAL CHIP	1K	5%	1/16W
R407	1-216-805-11	METAL CHIP	47	5%	1/16W	R605	1-216-809-11	METAL CHIP	100	5%	1/16W
R408	1-216-797-11	METAL CHIP	10	5%	1/16W						
R410	1-216-801-11	METAL CHIP	22	5%	1/16W	R607	1-216-835-11	METAL CHIP	15K	5%	1/16W
					.,	R652	1-218-871-11	METAL CHIP	10K	0.5%	1/16W
R417	1-216-825-11	METAL CHIP	2.2K	5%	1/16W	R653	1-216-809-11	METAL CHIP	100	5%	1/16W
R422	1-216-839-11	METAL CHIP	33K	5%	1/16W	R654	1-216-809-11	METAL CHIP	100	5%	1/16W
11422	1-210-000-11	WILTAL OTTI	JUIN	J /0	(CA860X)	11004	1-210-003-11	WILIAL OTTI	100	J /0	(CA850)
R423	1-216-839-11	METAL CHIP	33K	5%	1/16W	R702	1-216-809-11	METAL CHIP	100	5%	1/16W
N423	1-210-039-11	WETAL UNIT	JUN	J /0		N/UZ	1-210-009-11	METAL CHIP	100	J /0	1/1000
D 40.4	1 010 000 11	METAL OLUB	001/	5 0/	(CA860X)	D700	1 010 015 11	METAL OLUB	4001/	F0/	4 (4 0) 14
R424	1-216-839-11	METAL CHIP	33K	5%	1/16W	R703	1-216-845-11	METAL CHIP	100K	5%	1/16W
					(CA860X)	R704	1-216-864-11	SHORT	0		
R425	1-216-839-11	METAL CHIP	33K	5%	1/16W	R705	1-216-864-11	SHORT	0		
					(CA860X)	R706	1-216-809-11	METAL CHIP	100	5%	1/16W
						R707	1-216-845-11	METAL CHIP	100K	5%	1/16W
R426	1-216-821-11	METAL CHIP	1K	5%	1/16W						
R427	1-216-821-11	METAL CHIP	1K	5%	1/16W	R708	1-216-845-11	METAL CHIP	100K	5%	1/16W
R428	1-216-821-11	METAL CHIP	1K	5%	1/16W	R709	1-216-845-11	METAL CHIP	100K	5%	1/16W
R429	1-216-821-11	METAL CHIP	1K	5%	1/16W	R711	1-216-037-00	METAL CHIP	330	5%	1/10W
R430	1-216-864-11	SHORT	0			R712	1-216-829-11	METAL CHIP	4.7K	5%	1/16W
						R713	1-216-825-11	METAL CHIP	2.2K	5%	1/16W
R501	1-216-845-11	METAL CHIP	100K	5%	1/16W		. 2.0 020			• 70	.,
R503	1-216-845-11	METAL CHIP	100K	5%	1/16W	R714	1-216-813-11	METAL CHIP	220	5%	1/16W
11000	1 210 040 11	WEIAL OIIII	1001	3 /0	(CA860X)	R715	1-216-813-11	METAL CHIP	220	5%	1/16W
R504	1-216-845-11	METAL CHIP	100K	5%	1/16W	R716	1-216-813-11	METAL CHIP	220	5%	1/16W
	1-216-864-11	SHORT	0	J /0		R710	1-216-809-11	METAL CHIP	100		1/16W
R505				E0/	(CA850)					5%	
R506	1-216-837-11	METAL CHIP	22K	5%	1/16W	R718	1-216-809-11	METAL CHIP	100	5%	1/16W
R507	1-216-845-11	METAL CHIP	100K	5%	1/16W	R719	1-216-821-11	METAL CHIP	1K	5%	1/16W
R508	1-216-833-11	METAL CHIP	100K	5%	1/16W	R720	1-218-871-11	METAL CHIP	10K	0.5%	1/16W
R509	1-216-833-11	METAL CHIP	10K	5%	1/16W	R721	1-218-871-11	METAL CHIP	10K	0.5%	1/16W
						l					
R510	1-216-841-11	METAL CHIP	47K	5%	1/16W	R724	1-216-845-11	METAL CHIP	100K	5%	1/16W
R511	1-216-809-11	METAL CHIP	100	5%	1/16W	R728	1-216-845-11	METAL CHIP	100K	5%	1/16W
R512	1-216-845-11	METAL CHIP	100K	5%	1/16W	R729	1-216-821-11	METAL CHIP	1K	5%	1/16W
R513	1-216-829-11	METAL CHIP	4.7K	5%	1/16W	R731	1-216-813-11	METAL CHIP	220	5%	1/16W
R514	1-216-813-11	METAL CHIP	220	5%	1/16W	R732	1-216-821-11	METAL CHIP	1K	5%	1/16W
R515	1-216-845-11	METAL CHIP	100K	5%	1/16W	R733	1-216-037-00	METAL CHIP	330	5%	1/10W
R516	1-216-864-11	SHORT	0	J /0	1/1000	R734	1-216-821-11	METAL CHIP	1K	5%	1/16W
11010	1-210-004-11	3110111	U			117.54	1-210-021-11	WILTAL OTHE	IIX	J /0	1/1000
R517	1-216-864-11	SHORT	0		(CA860X)	R735	1-216-821-11	METAL CHIP	1K	5%	1/16W
R520	1-216-864-11	SHORT	0		(=======	R736	1-216-821-11	METAL CHIP	1K	5%	1/16W
R521	1-216-809-11	METAL CHIP	100	5%	1/16W	R737	1-216-829-11	METAL CHIP	4.7K	5%	1/16W
R522	1-216-845-11	METAL CHIP	100K	5%	1/16W	R738	1-216-829-11	METAL CHIP	4.7K	5%	1/16W
R523	1-216-845-11	METAL CHIP	100K	5%	1/16W	R739	1-216-829-11	METAL CHIP	4.7K	5%	1/16W
NJZJ	1-210-045-11	METAL UNIF	TOOK	J /0	1/1000	n/39	1-210-029-11	WEIAL UNIF	4.7 K	J /0	1/1000
R524	1-216-845-11	METAL CHIP	100K	5%	1/16W	R740	1-216-829-11	METAL CHIP	4.7K	5%	1/16W
R525	1-216-853-11	METAL CHIP	470K	5%	1/16W	R741	1-216-037-00	METAL CHIP	330	5%	1/10W
R526	1-216-835-11	METAL CHIP	15K	5%	1/16W	R742	1-216-833-11	METAL CHIP	10K	5%	1/16W
R527	1-216-793-11	RES-CHIP	4.7	5%	1/16W	R743	1-216-833-11		10K	5%	1/16W
R530	1-216-821-11	METAL CHIP	1K	5%	1/16W	R744	1-216-821-11	METAL CHIP	1K	5%	1/16W
				2,0	., . • • •			0		270	., . • • •
R531	1-216-821-11	METAL CHIP	1K	5%	1/16W	R745	1-216-005-00	METAL CHIP	15	5%	1/10W
R532	1-216-864-11		0		•			-			
		-	-								

MAIN

SERVO

1.746 1.216-0005-00 METAL CHIP 15 5% 1/10W C305 1-162-282-11 CERAMIC CHIP 0.022uF 10% 50V 7474 1.216-0005-00 METAL CHIP 15 5% 1/10W C305 1-162-282-11 CERAMIC CHIP 0.012uF 10% 50V 7474 1.216-0005-00 METAL CHIP 15 5% 1/10W C305 1-162-282-11 CERAMIC CHIP 0.010uF 10% 50V 7474 1.216-0005-00 METAL CHIP 15 5% 1/10W C307 1-162-282-11 CERAMIC CHIP 0.010uF 10% 50V 7475 1.216-0005-00 METAL CHIP 15 5% 1/10W C307 1-162-282-11 CERAMIC CHIP 0.010uF 10% 50V 7475 1.216-0005-00 METAL CHIP 15 5% 1/10W C308 1-162-282-11 CERAMIC CHIP 0.010uF 10% 6.3V	Ref. No.	Part No.	Description			Remark	Ref. No.	Part No.	Description			Remark
R749			· ·	4.5	5 0/				<u> </u>	0.000 5	100/	
R749												
R759												
R750												
R801 1-216-829-11 METAL CHIP 4.7K 5% 1/16W R802 1-216-839-11 METAL CHIP 10K 5% 1/16W C310 1-125-838-11 CERAMIC CHIP 2.2µ 10% 63V R803 1-216-831-11 METAL CHIP 470 5% 1/16W C311 1-164-376-11 CERAMIC CHIP 0.1µ 16V 16V R804 1-216-864-11 METAL CHIP 470 5% 1/16W C311 1-164-360-11 CERAMIC CHIP 0.1µ 16V 16V R813 1-216-864-11 SHORT 0 C502 1-162-965-11 CERAMIC CHIP 0.01µ 16V 16V C503 1-162-961-11 CERAMIC CHIP 0.01µ 16V 16V C504 1-162-961-11 CERAMIC CHIP 0.003µ 10% 16V C505 1-162-965-11 CERAMIC CHIP 0.003µ 10% 16V C505 C506 C507 C508 C5												
R802	R750	1-216-005-00	METAL CHIP	15	5%	1/10W	C308	1-162-962-11	CERAMIC CHIP	470PF	10%	50V
R803	R801	1-216-829-11	METAL CHIP	4.7K	5%	1/16W	C309	1-164-227-11	CERAMIC CHIP	0.022uF	10%	25V
R806 1-216-835-11 METAL CHIP 470 5% 1/16W C501 1-164-390-11 CERAMIC CHIP 0.10F 6.3V	R802	1-216-833-11	METAL CHIP	10K	5%	1/16W	C310	1-125-838-11	CERAMIC CHIP	2.2uF	10%	6.3V
R805 1-216-825-11 METAL CHIP 2.2K 5% 1/16W C501 1-126-391-11 ELECT CHIP 47uF 20% 6.3V	R803	1-216-821-11	METAL CHIP	1K	5%	1/16W	C311	1-164-677-11	CERAMIC CHIP	0.033uF	10%	16V
R806 1-216-884-11 SHORT 0	R804	1-216-817-11	METAL CHIP	470	5%	1/16W	C312	1-164-360-11	CERAMIC CHIP	0.1uF		16V
R813 1-216-815-11 METAL CHIP 330 5% 1/16W (CA860X) C6506 1-166-76-11 CERAMIC CHIP 0.047uF 10% 16V C506 1-161-78-23-11 CERAMIC CHIP 0.047uF 10% 16V C506 1-161-78-23-11 CERAMIC CHIP 0.047uF 10% 16V C507 1-107-825-11 CERAMIC CHIP 0.10uF 5% 50V C510 1-104-217-11 CERAMIC CHIP 0.10uF 5% 50V C510 1-104-217-11 CERAMIC CHIP 0.10uF 5% 50V C514 1-126-391-11 CERAMIC CHIP 0.040F 0.04	R805	1-216-825-11	METAL CHIP	2.2K	5%	1/16W	C501	1-126-391-11	ELECT CHIP	47uF	20%	6.3V
CASBOX CS05	R806	1-216-864-11	SHORT	0			C502	1-162-965-11	CERAMIC CHIP	0.0015uF	10%	50V
C506 1-107-823-11 CERAMIC CHIP 0.47uF 10% 16V	R813	1-216-815-11	METAL CHIP	330	5%	1/16W	C504	1-162-967-11	CERAMIC CHIP	0.0033uF	10%	50V
C506 1-107-823-11 CERAMIC CHIP 0.47uF 10% 16V						(CA860X)	C505	1-165-176-11	CERAMIC CHIP	0.047uF	10%	16V
S101						,	C506	1-107-823-11	CERAMIC CHIP	0.47uF	10%	16V
1-17-1-540-11 SWITCH, PUSH (1 KEY) (NOSE DET) C509			< SWITCH >				C507	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
1-771-540-11 SWITCH, PUSH (1 KEY) (NOSE DET) C509	\$101	1-692-431-21	SWITCH TACTILE	F (RESET)			C508	1-164-230-11	CERAMIC CHIP	220PF	5%	50V
C510			,	,	SE DET)						0 /0	
THERMISTOR (POSITIVE) C511	0102	1771 340 11	00011011, 1 0011 (i KLI) (NO	OL DL1)						5%	
TH101			∠ THERMISTOR (POSITIVE)	_							
TH101			< THE THINIOTOTT (1 OUITIVE)								
TH102	TH101	1-810-940-11	THERMISTOR PO	OSITIVE			0312	1-102-303-11	OLITAWIO OTIII	00011	10 /0	30 V
TH601							C513	1-162-963-11	CERAMIC CHIP	680PF	10%	50V
TUX201 A-3220-812-A TUNER UNIT (TUX-020)												
TUX201 A-3220-812-A TUNER UNIT (TUX-020)	111001	1 001 702 21	THE HIMOTOR, TV	JOITIVE							2070	
TUX201 A-3220-812-A TUNER UNIT (TUX-020) C517			< TUNER >									
TUX201 A-3220-812-A TUNER UNIT (TUX-020)			(TONEIT									
VIBRATOR VIBRATOR VIBRATOR CRYSTAL (4.332MHz) (CA850) C520	TUX201	A-3220-812-A	TUNER UNIT (TU	X-020)			0017			0.141		
X201												
X201			< VIBRATOR >									
X501												
X502			·	`	, ,	A850)				0.1uF		
X701 1-781-822-21 VIBRATOR, CERAMIC (18.432MHz) C550 1-164-360-11 CERAMIC CHIP 0.1 uF 16V C553 1-164-360-11 CERAMIC CHIP 0.1 uF 16V C554 1-164-360-11 CERAMIC CHIP 0.1 uF 16V C794-153-21 CERAMIC CHIP 0.1 uF 10V C794-163-295-11 CERAMIC CHIP 0.1 uF 10V C794-163-295-11 CERAMIC CHIP 0.1 uF 10V C794-163-295-11 C794-163-295							C522	1-164-360-11	CERAMIC CHIP	0.1uF		16V
**************************************				•	,							
* A-3326-231-A SERVO BOARD, COMPLETE ***********************************												
** A-3326-231-A SERVO BOARD, COMPLETE ***********************************	******	******	*****	******	******	*****						
***********************************			0501/0 00400				C554	1-164-360-11	CERAMIC CHIP	0.1uF		16V
CAPACITOR > CN1 1-764-616-12 HOUSING, CONNECTOR (PC BOARD) 30P CN2 1-794-153-21 CONNECTOR, FPC (ZIF) 16P CN3 1-104-609-11 ELECT CHIP 100uF 20% 4V C104 1-115-156-11 CERAMIC CHIP 1uF 10W C106 1-107-826-11 CERAMIC CHIP 1uF 10% 6.3V FB101 1-216-295-11 SHORT 0 FB102 1-216-295-11 SHORT 0 FB102 1-162-917-11 CERAMIC CHIP 1uF 10W C111 1-115-156-11 CERAMIC CHIP 1uF 10W C115 1-164-733-11 CERAMIC CHIP 1uF 10W C115 1-164-733-11 CERAMIC CHIP 820PF 10W 50W C116 1-165-128-11 CERAMIC CHIP 820PF 10W 50W C117 1-164-733-11 CERAMIC CHIP 820PF 10W 50W C118 1-164-360-11 CERAMIC CHIP 0.1uF 16W 10W C302 1-164-360-11 CERAMIC CHIP 0.1uF 16W C302 1-164-360-11 CERAMIC CHIP 0.1uF 10W C302 1-164-360-11 CERAMIC CHIP 0.1uF 10W C302 1-164-360-11 CERAMIC CHIP 0.1uF 1	*	A-3326-231-A							< CONNECTOR >			
C101 1-115-156-11 CERAMIC CHIP 1uF 100uF 20% 4V C103 1-104-609-11 ELECT CHIP 100uF 20% 4V C104 1-115-156-11 CERAMIC CHIP 1uF 10W C106 1-107-826-11 CERAMIC CHIP 0.1uF 10W 6.3V C107 1-125-837-11 CERAMIC CHIP 1uF 10% 6.3V C108 1-162-974-11 CERAMIC CHIP 0.01uF 50W C109 1-162-917-11 CERAMIC CHIP 1uF 10W C111 1-115-156-11 CERAMIC CHIP 1uF 10W C115 1-164-733-11 CERAMIC CHIP 0.22uF 16W 16W C116 1-165-128-11 CERAMIC CHIP 0.22uF 16W 16W C117 1-164-733-11 CERAMIC CHIP 0.22uF 16W 16W C118 1-164-360-11 CERAMIC CHIP 0.1uF 16W C301 1-126-393-11 ELECT CHIP 33uF 20% 10W C301 1-126-393-11 ELECT CHIP 33uF 20% 10W C302 1-164-360-11 CERAMIC CHIP 0.1uF 16W C302 1-164-360-11 CERAMIC CHIP 0.1uF 10W C302 1-16												
C101 1-115-156-11 CERAMIC CHIP 1UF 10V CN3 1-770-347-21 CONNECTOR, FPC 6P C103 1-104-609-11 ELECT CHIP 100uF 20% 4V C104 1-115-156-11 CERAMIC CHIP 1UF 10V C106 1-107-826-11 CERAMIC CHIP 0.1uF 10% 16V C107 1-125-837-11 CERAMIC CHIP 1uF 10% 6.3V FB101 1-216-295-11 SHORT 0 C108 1-162-974-11 CERAMIC CHIP 15PF 5% 50V C109 1-162-917-11 CERAMIC CHIP 15PF 5% 50V C111 1-115-156-11 CERAMIC CHIP 1UF 10V C115 1-164-733-11 CERAMIC CHIP 0.22uF 16V C116 1-165-128-11 CERAMIC CHIP 0.22uF 16V C117 1-164-733-11 CERAMIC CHIP 0.1uF 16V C118 1-164-360-11 CERAMIC CHIP 0.1uF 16V C119 1-164-360-11 CERAMIC CHIP 0.1uF 16V C110 1-164-393-11 ELECT CHIP 0.1uF 16V C111 1-164-360-11 CERAMIC CHIP 0.1uF 16V C302 1-164-360-11 CERAMIC CHIP 0.1uF 16V C304 CERAMIC CHIP 0.1uF 16V C305 CERAMIC CHIP 0.1uF 16V C306 CERAMIC CHIP 0.1uF 16V C307 CERAMIC CHIP 0.1uF 16V C308 CERAMIC CHIP 0.1uF 16V C309 CERAMIC CHIP 0.1uF 10V			< CAPACITOR >				CN1				BOARD)	30P
C103												
C104 1-115-156-11 CERAMIC CHIP 1uF 10V				1uF			CN3	1-770-347-21	CONNECTOR, FP	C 6P		
C106 1-107-826-11 CERAMIC CHIP 0.1uF 10% 16V C107 1-125-837-11 CERAMIC CHIP 1uF 10% 6.3V FB101 1-216-295-11 SHORT 0 FB102 1-216-295-11 SHORT 0					20%							
C107 1-125-837-11 CERAMIC CHIP 1uF 10% 6.3V FB101 1-216-295-11 SHORT 0 C108 1-162-974-11 CERAMIC CHIP 0.01uF 50V FB503 1-216-295-11 SHORT 0 C109 1-162-917-11 CERAMIC CHIP 15PF 5% 50V C111 1-115-156-11 CERAMIC CHIP 1uF 10V < IC > C115 1-164-733-11 CERAMIC CHIP 820PF 10% 50V C116 1-165-128-11 CERAMIC CHIP 0.22uF 16V IC1 8-752-095-36 IC CXA2596M-T6 IC5 8-752-914-87 IC CXP84640-072Q C117 1-164-733-11 CERAMIC CHIP 820PF 10% 50V IC7 8-759-832-99 IC LA6576L-TE-L C118 1-164-360-11 CERAMIC CHIP 0.1uF 16V IC501 8-752-392-04 IC CXD2598Q C127 1-104-851-11 TANTAL. CHIP 10uF 20% 10V C301 1-126-393-11 ELECT CHIP 33uF 20% 10V C302 1-164-360-11 CERAMIC CHIP 0.1uF 16V JR501 1-216-295-11 SHORT 0									< JUMPER RESIS	STOR >		
C108												
C108	C107	1-125-837-11	CERAMIC CHIP	1uF	10%	6.3V						
C109 1-162-917-11 CERAMIC CHIP 15PF 5% 50V C111 1-115-156-11 CERAMIC CHIP 1uF 10V < IC > C115 1-164-733-11 CERAMIC CHIP 820PF 10% 50V C116 1-165-128-11 CERAMIC CHIP 0.22uF 16V IC1 8-752-095-36 IC CXA2596M-T6 IC5 8-752-914-87 IC CXP84640-072Q C117 1-164-733-11 CERAMIC CHIP 820PF 10% 50V IC7 8-759-832-99 IC LA6576L-TE-L C118 1-164-360-11 CERAMIC CHIP 0.1uF 16V IC501 8-752-392-04 IC CXD2598Q C127 1-104-851-11 TANTAL. CHIP 10uF 20% 10V C301 1-126-393-11 ELECT CHIP 33uF 20% 10V C302 1-164-360-11 CERAMIC CHIP 0.1uF 16V JR501 1-216-295-11 SHORT 0												
C111 1-115-156-11 CERAMIC CHIP 1uF 10V							FB503	1-216-295-11	SHORT	0		
C115 1-164-733-11 CERAMIC CHIP 820PF 10% 50V C116 1-165-128-11 CERAMIC CHIP 0.22uF 16V IC1 8-752-095-36 IC CXA2596M-T6 IC5 8-752-914-87 IC CXP84640-072Q C117 1-164-733-11 CERAMIC CHIP 820PF 10% 50V IC7 8-759-832-99 IC LA6576L-TE-L C118 1-164-360-11 CERAMIC CHIP 0.1uF 16V IC501 8-752-392-04 IC CXD2598Q C127 1-104-851-11 TANTAL. CHIP 10uF 20% 10V C301 1-126-393-11 ELECT CHIP 33uF 20% 10V C302 1-164-360-11 CERAMIC CHIP 0.1uF 16V JR501 1-216-295-11 SHORT 0					5%							
C116 1-165-128-11 CERAMIC CHIP 0.22uF 16V IC1 8-752-095-36 IC CXA2596M-T6 IC5 8-752-914-87 IC CXP84640-072Q C117 1-164-733-11 CERAMIC CHIP 820PF 10% 50V IC7 8-759-832-99 IC LA6576L-TE-L C118 1-164-360-11 CERAMIC CHIP 0.1uF 16V IC501 8-752-392-04 IC CXD2598Q C127 1-104-851-11 TANTAL. CHIP 10uF 20% 10V C301 1-126-393-11 ELECT CHIP 33uF 20% 10V C302 1-164-360-11 CERAMIC CHIP 0.1uF 16V JR501 1-216-295-11 SHORT 0									< IC >			
C117 1-164-733-11 CERAMIC CHIP 820PF 10% 50V 1C7 8-752-832-99 IC LA6576L-TE-L 1C501 8-752-392-04 IC CXD2598Q 1C CXD259Q 1C CXD2598Q 1C CXD259Q 1C CXD2598Q 1C CXD259Q 1C CXD259Q 1C CXD259Q 1C CXD259Q					10%					_		
C117 1-164-733-11 CERAMIC CHIP 820PF 10% 50V	C116	1-165-128-11	CERAMIC CHIP	0.22uF		16V						
C118 1-164-360-11 CERAMIC CHIP 0.1uF 16V 1C501 8-752-392-04 IC CXD2598Q 1C727 1-104-851-11 TANTAL. CHIP 10uF 20% 10V 20% 10V 33uF 20% 10V 33uF 20% 10V 3002 1-164-360-11 CERAMIC CHIP 0.1uF 16V JR501 1-216-295-11 SHORT 0	C117	1-164-733-11	CERAMIC CHIP	820PF	10%	50V						
C127 1-104-851-11 TANTAL. CHIP 10uF 20% 10V C301 1-126-393-11 ELECT CHIP 33uF 20% 10V C302 1-164-360-11 CERAMIC CHIP 0.1uF 16V JR501 1-216-295-11 SHORT 0					. 5 /0					_		
C301 1-126-393-11 ELECT CHIP 33uF 20% 10V < JUMPER RESISTOR > C302 1-164-360-11 CERAMIC CHIP 0.1uF 16V JR501 1-216-295-11 SHORT 0					20%			5 . 52 552 64	.c chbrood			
C302 1-164-360-11 CERAMIC CHIP 0.1uF 16V JR501 1-216-295-11 SHORT 0									∠.IIIMPFR RFQI	STOR >		
JR501 1-216-295-11 SHORT 0					_U /U				COMIT LITTILOR			
	000L		5_10 mm 0 01ml	J. 1 d1			JR501	1-216-295-11	SHORT	0		
	C303	1-164-227-11	CERAMIC CHIP	0.022uF	10%	25V						

SERVO

SUB

SUB (CD)

READY 1-216-86-11 SHORT 0	Ref. No.	Part No.	<u>Description</u>			<u>Remark</u>	Ref. No.	Part No.	<u>Description</u>			<u>Remark</u>
*** TRANSISTOR > **** CRANSISTOR **** CRESISTOR > *** CRESISTOR > **** CRE	IDEOG	1 016 06/ 11	CHUDT	0			D517	1 016 007 11	METAL CHID	221/	E0/	1/16\//
Career C	JH300	1-210-004-11	SHUNI	U					_			
RESISTOR			TDANGIOTO	_			1					
R-729-904-97 TRANSISTOR 2581197K-T-146-R R-729-904-97 TRANSISTOR 2581197K-T-146-R R-729-904-97 TRANSISTOR 2581197K-T-146-R R-729-904-97 R-7216-847-11 METAL CHIP 12K 5% 1/16W R-7216-847-11 METAL CHIP 12K 5% 1/16W R-7216-847-11 METAL CHIP 10K 5% 1/16W R-7216-847-11			< TRANSISTU	₹>								
RESISTOR												
R101	Q101	8-729-904-87	TRANSISTOR	2SB1197K-T	-146-R		R521	1-216-834-11	METAL CHIP	12K	5%	1/16W
R101 1-216-847-11 METAL CHIP 150K 5% 1/16W R102 1-216-845-11 METAL CHIP 100K 5% 1/16W R103 1-216-801-11 METAL CHIP 100K 5% 1/16W R103 1-216-831-11 METAL CHIP 100K 5% 1/16W R103 1-216-831-11 METAL CHIP 100K 5% 1/16W R105 1-216-831-11 METAL CHIP 10K 5% 1/16W R105 1-216-831-1 METAL CHIP 10K 5% 1/16W R103 1-216-835-11 METAL CHIP 27K 5% 1/16W R533 1-216-845-11 METAL CHIP 10K 5% 1/16W R103 1-216-835-11 METAL CHIP 27K 5% 1/16W R535 1-216-845-11 METAL CHIP 47K 5% 1/16W R101 1-216-833-11 METAL CHIP 56K 5% 1/16W R555 1-216-845-11 METAL CHIP 10K 5% 1/16W R103 1-216-835-11 METAL CHIP 10K 5% 1/16W R103 1-216-833-11 METAL CHIP 10K 5			< RESISTOR >				1					
R102 -2:16-847-11 METAL CHIP 150K 5% 1/16W R526 1-2:16-845-11 METAL CHIP 100K 5% 1/16W R101 -12:16-857-11 METAL CHIP 10K 5% 1/16W R527 -12:16-845-11 METAL CHIP 10K 5% 1/16W R531 -2:16-845-11 METAL CHIP 10DK 5% 1/16W R531 -2:16-845-11 METAL CHIP 27 5% 1/16W R531 -2:16-845-11 METAL CHIP 47K 5% 1/16W R531 -2:16-845-11 METAL CHIP 33K 5% 1/16W R532 -2:16-845-11 METAL CHIP 47K 5% 1/16W R532 -2:16-845-11 METAL CHIP 47K 5% 1/16W R532 -2:16-845-11 METAL CHIP 10DK 5% 1/16W R532 -2:16-845-11 METAL CHIP 10DK 5% 1/16W R532 -2:16-845-11 METAL CHIP 10DK 5% 1/16W R534 -2:16-845-11 METAL CHIP 10DK 5% 1/16W R534 -2:16-845-11 METAL CHIP 10DK 5% 1/16W R534 -2:16-845-11 METAL CHIP 10DK 5% 1/16W R535 -2:16-845-11 METAL CHIP 10DK 5% 1/16W R534 -2:16-845-							1					
R104 -216-801-11 METAL CHIP 10K 5% 1/16W R50 1-216-83-11 METAL CHIP 27K 5% 1/16W R50 1-216-841-11 METAL CHIP 47K 5% 1/16W R50 1-216-841-11 METAL CHIP 10K 5% 1/16W R50 1-216-831-11 METAL CHIP 10K			METAL CHIP				1	1-216-845-11			5%	
R105 -1216-833-11 METAL CHIP 10K 5% 1/16W R531 1-216-809-11 METAL CHIP 100K 5% 1/16W R531 1-216-845-11 METAL CHIP 10K 5% 1/16W R531 1-216-845-		1-216-847-11						1-216-845-11	METAL CHIP			
R105				22	5%		R527	1-216-845-11	METAL CHIP	100K	5%	1/16W
R106	R104	1-216-857-11	METAL CHIP	1M	5%	1/16W						
R102 -2:16-835-11 METAL CHIP 1M 5% 17:16W R533 1-2:16-845-11 METAL CHIP 100K 5% 17:16W R551 1-2:16-845-11 METAL CHIP 100K 5% 17:16W R551 1-2:16-845-11 METAL CHIP 27K 5% 17:16W R551 1-2:16-845-11 METAL CHIP 47K 5% 17:16W R551 1-2:16-845-11 METAL CHIP 10K 5% 17:16W R552 1-2:16-845-11 METAL CHIP 10K 5% 17:16W R553 1-2:16-845-11 METAL CHIP 10K 5% 17:16W R554 1-2:16-845-11 METAL CHIP 10K 5% 17:16W R563 1-2:16-830-11 METAL CHIP 10K 5% 17:16W R593 1-2:16-830-11 METAL	R105	1-216-833-11	METAL CHIP	10K	5%	1/16W	R531	1-216-809-11	METAL CHIP	100	5%	1/16W
R102 1-216-838-11 METAL CHIP 15K 5% 1/16W R109 1-216-838-11 METAL CHIP 27K 5% 1/16W R109 1-216-838-11 METAL CHIP 22 5% 1/16W R551 1-216-841-11 METAL CHIP 47K 5% 1/16W R551 1-216-841-11 METAL CHIP 47K 5% 1/16W R553 1-216-845-11 METAL CHIP 100K 5% 1/16W R554 1-216-845-11 METAL CHIP 100K 5% 1/16W R564 1-216-845-11 METAL CHIP 100K 5% 1/16W R564 1-216-845-11 METAL CHIP 10X 5% 1/16W R569 1-216-809-11 METAL CHIP 10X 5% 1/16W R569 1-216-845-11 METAL CHIP							R532	1-216-845-11	METAL CHIP	100K	5%	1/16W
R108	R106	1-216-857-11	METAL CHIP	1M	5%	1/16W	R533	1-216-845-11	METAL CHIP	100K	5%	1/16W
R110		1-216-835-11		15K		1/16W	1	1-216-845-11	METAL CHIP	100K		1/16W
R110							R551					
R110							1.001				• 70	.,
R111 1-216-842-11 METAL CHIP 56K 5% 1/16W R133 1-216-839-11 METAL CHIP 10K 5% 1/16W R134 1-216-839-11 METAL CHIP 10K 5% 1/16W R555 1-216-845-11 METAL CHIP 10K 5% 1/16W R558 1-216-845-11 METAL CHIP 10K 5% 1/16W R558 1-216-845-11 METAL CHIP 10K 5% 1/16W R558 1-216-864-11 METAL CHIP 10K 5% 1/16W R558 1-216-864-11 METAL CHIP 10K 5% 1/16W R569 1-216-809-11 METAL CHIP 10C 5% 1/16W R572 1-216-809-11 METAL CHIP 10C 5% 1/16W R590 1-216-809-11 METAL CHIP 10C 5% 1/16W R591 1-216-809-11 METAL CHIP 10C 5%							R552	1-216-841-11	METAL CHIP	47 K	5%	1/16W/
R113	11110	1 210 040 11	WEIAL OITH	OOK	3 /0	1/1000	1					
R112 1-216-839-11 METAL CHIP 33K 5% 1/16W R555 1-216-845-11 METAL CHIP 10K 5% 1/16W R122 1-216-839-11 METAL CHIP 33K 5% 1/16W R560 1-216-809-11 METAL CHIP 100 5% 1/16W R561 1-216-809-11 METAL CHIP 100 5% 1/16W R562 1-216-809-11 METAL CHIP 100 5% 1/16W R562 1-216-809-11 METAL CHIP 100 5% 1/16W R563 1-216-809-11 METAL CHIP 10K 5% 1/16W R569 1-216-809-11 METAL CHIP 10K 5% 1/16W R570 1-216-809-11 METAL CHIP 10K 5% 1/16W R590 1-216-809-11 METAL CHIP 10K 5%	D111	1 016 040 11	METAL CHID	56V	E0/	1/16\\\	1					
R122 1-216-845-11 METAL CHIP 100K 5% 1/16W R569 1-216-839-11 METAL CHIP 10K 5% 1/16W R560 1-216-809-11 METAL CHIP 10K 5% 1/16W R560 1-216-809-11 METAL CHIP 10K 5% 1/16W R560 1-216-809-11 METAL CHIP 10K 5% 1/16W R560 1-216-845-11 METAL CHIP 10K 5% 1/16W R569 1-216-845-11 METAL CHIP 10K 5% 1/16W R569 1-216-845-11 METAL CHIP 2ZK 5% 1/16W R569 1-216-809-11 METAL CHIP 10K 5% 1/16W R569 1-216-809-11 METAL CHIP 10K 5% 1/16W R569 1-216-809-11 METAL CHIP 10K 5% 1/16W R572 1-216-809-11 METAL CHIP 10K 5% 1/16W R572 1-216-809-11 METAL CHIP 10K 5% 1/16W R572 1-216-809-11 METAL CHIP 10K 5% 1/16W R594 1-216-833-11 METAL CHIP 10K 5% 1/16W R594 1-216-845-11 METAL CHIP 10K 5% 1/16W R594 1-216-845-11 METAL CHIP 10K 5% 1/16W R595 1-216-845-11 METAL CHIP 10K 5%							1					
R127 1-216-839-11 METAL CHIP 33K 5% 1/16W R563 1-216-809-11 METAL CHIP 100 5% 1/16W R503 1-216-839-11 METAL CHIP 33K 5% 1/16W R568 1-216-809-11 METAL CHIP 100 5% 1/16W R503 1-216-839-11 METAL CHIP 33K 5% 1/16W R569 1-216-809-11 METAL CHIP 100 5% 1/16W R503 1-216-839-11 METAL CHIP 10 5% 1/16W R503 1-216-833-11 METAL CHIP 10K 5% 1/16W R509 1-216-845-11 METAL CHIP 100 5% 1/16W R509 1-216-845-11 METAL CHIP 10K 5% 1/16W R509 1-216-845-11 METAL CHIP 56K 5											5%	1/1600
R127 1-216-821-11 METAL CHIP 1K 5% 1/16W R560 1-216-809-11 METAL CHIP 100 5% 1/16W R501 1-216-849-11 METAL CHIP 100 5% 1/16W R501 1-216-849-11 METAL CHIP 100K 5% 1/16W R503 1-216-821-11 METAL CHIP 33K 5% 1/16W R568 1-216-839-11 METAL CHIP 2ZK 5% 1/16W R503 1-216-829-11 METAL CHIP 10K 5% 1/16W R504 1-216-839-11 METAL CHIP 10K 5% 1/16W R504 1-216-839-11 METAL CHIP 10K 5% 1/16W R509 1-216-845-11 METAL CHIP 56K 5% 1/16W R509 1-216-845-11 METAL CHIP 56K 5% 1/16W R509 1-216-833-11 METAL CHIP 56K 5% 1/16W R501 1-216-833-11 METAL CHIP 56K 5%							R558	1-216-864-11	SHURI	U		
R213												
R213	R127	1-216-821-11	METAL CHIP	1K	5%	1/16W	1					
R301 1-216-843-11 METAL CHIP 68K 5% 1/16W R568 1-216-837-11 METAL CHIP 22K 5% 1/16W R509 1-216-839-11 METAL CHIP 1K 5% 1/16W R570 1-216-821-11 METAL CHIP 10 5% 1/16W R570 1-216-821-11 METAL CHIP 10 5% 1/16W R570 1-216-833-11 METAL CHIP 10K 5% 1/16W R590 1-216-845-11 METAL CHIP 10K 5% 1/16W R590 1-216-845-11 METAL CHIP 10K 5% 1/16W R590 1-216-845-11 METAL CHIP 10K 5% 1/16W R591 1-216-842-11 METAL CHIP 10K 5% 1/16W R591 1-216-842-11 METAL CHIP 10K 5% 1/16W R591 1-216-842-11 METAL CHIP 56K 5% 1/16W R591 1-216-842-11 METAL CHIP 56K 5% 1/16W R591 1-216-843-11 METAL CHIP 56K 5% 1/16W R591 1-216-845-11 METAL CHIP 56K 5% 1/16W R591 1-216-845-11 METAL CHIP 10K 5% 1/1							1					
R302 1-216-839-11 METAL CHIP 33K 5% 1/16W R509 1-216-809-11 METAL CHIP 100 5% 1/16W R504 1-216-821-11 METAL CHIP 10K 5% 1/16W R572 1-216-809-11 METAL CHIP 10K 5% 1/16W R572 1-216-809-11 METAL CHIP 10K 5% 1/16W R500 1-216-845-11 METAL CHIP 10K 5% 1/16W R590 1-216-845-11 METAL CHIP 10K 5% 1/16W R591 1-216-845-11 METAL CHIP 10K 5% 1/16W R592 1-216-845-11 METAL CHIP 10K 5% 1/16W R593 1-216-845-11 METAL CHIP 10K 5% 1/16W R594 1-216-845-11 METAL CHIP 10K 5% 1/16W R595 1-216-845-11 METAL CHIP 56K 5% 1/16W R595 1-216-842-11 METAL CHIP 56K 5% 1/16W R595 1-216-842-11 METAL CHIP 56K 5% 1/16W R596 1-216-842-11 METAL CHIP 10K 5%			METAL CHIP				R564				5%	
R303 1-216-821-11 METAL CHIP 1K 5% 1/16W R504 1-216-821-11 METAL CHIP 33K 5% 1/16W R507 1-216-801-11 METAL CHIP 10K 5% 1/16W R508 1-216-801-11 METAL CHIP 10K 5% 1/16W R509 1-216-801-11 METAL CHIP 56K 5% 1/16W R509 1-216-801-11 METAL CHIP 10K 5% 1/16W R509 1-216-801-11 METAL CHIP 10	R301	1-216-843-11	METAL CHIP		5%	1/16W	R568	1-216-837-11	METAL CHIP	22K	5%	1/16W
R304 1-216-839-11 METAL CHIP 33K 5% 1/16W R570 1-216-821-11 METAL CHIP 10K 5% 1/16W R570 1-216-833-11 METAL CHIP 10K 5% 1/16W R570 1-216-833-11 METAL CHIP 10K 5% 1/16W R590 1-216-845-11 METAL CHIP 100K 5% 1/16W R308 1-216-833-11 METAL CHIP 10K 5% 1/16W R590 1-216-845-11 METAL CHIP 100K 5% 1/16W R309 1-216-833-11 METAL CHIP 10K 5% 1/16W R591 1-216-845-11 METAL CHIP 100K 5% 1/16W R591 1-216-845-11 METAL CHIP 100K 5% 1/16W R591 1-216-845-11 METAL CHIP 10K 5% 1/16W R592 1-216-845-11 METAL CHIP 10K 5% 1/16W R593 1-216-845-11 METAL CHIP 10K 5	R302	1-216-839-11	METAL CHIP	33K	5%	1/16W	R569	1-216-809-11	METAL CHIP	100	5%	1/16W
R306 1-216-833-11 METAL CHIP 10K 5% 1/16W R590 1-216-845-11 METAL CHIP 10K 5% 1/16W R594 1-216-845-11 METAL CHIP 10K 5% 1/16W R594 1-216-845-11 METAL CHIP 10K 5% 1/16W R595 1-216-833-11 METAL CHIP 10K 5% 1/16W R595 1-216-833-11 METAL CHIP 10K 5% 1/16W R595 1-216-845-11 METAL CHIP 10K 5% 1/16W R595 1-216-833-11 METAL CHIP 10K 5% 1/16W R595 1-216-845-11 METAL CHIP 10K 5% 1/16W R596 1-216-842-11 METAL CHIP 10K 5% 1/16W R596 1-216-843-11 METAL CHIP 10K 5% 1/16W R596 1-216-845-11 METAL CHIP 10K 5% 1/16W R596 1-216-845-11 METAL CHIP 10K 5% 1/16W R596 1-216-833-11 METAL CHIP 10K 5% 1/16W R596 1-216-835-11 METAL CHIP 10K 5%	R303	1-216-821-11	METAL CHIP	1K	5%	1/16W						
R306	R304	1-216-839-11	METAL CHIP	33K	5%	1/16W	R570	1-216-821-11	METAL CHIP	1K	5%	1/16W
R306							R572	1-216-809-11	METAL CHIP	100	5%	1/16W
R307 1-216-833-11 METAL CHIP 10K 5% 1/16W R308 1-216-833-11 METAL CHIP 10K 5% 1/16W R309 1-216-833-11 METAL CHIP 10K 5% 1/16W R310 1-216-833-11 METAL CHIP 10K 5% 1/16W R310 1-216-833-11 METAL CHIP 10K 5% 1/16W R311 1-216-833-11 METAL CHIP 10K 5% 1/16W R312 1-216-845-11 METAL CHIP 10K 5% 1/16W R313 1-216-842-11 METAL CHIP 56K 5% 1/16W R313 1-216-842-11 METAL CHIP 56K 5% 1/16W R314 1-216-842-11 METAL CHIP 56K 5% 1/16W R315 1-216-842-11 METAL CHIP 56K 5% 1/16W R316 1-216-842-11 METAL CHIP 56K 5% 1/16W R318 1-216-842-11 METAL CHIP 56K 5% 1/16W R318 1-216-842-11 METAL CHIP 56K 5% 1/16W R319 1-216-833-11 METAL CHIP 56K 5% 1/16W R319 1-216-842-11 METAL CHIP 56K 5% 1/16W R319 1-216-842-11 METAL CHIP 56K 5% 1/16W R319 1-216-842-11 METAL CHIP 56K 5% 1/16W R320 1-216-833-11 METAL CHIP 10K 5% 1/16W R321 1-216-845-11 METAL CHIP 10K 5% 1/16W R321 1-216-845-11 METAL CHIP 10K 5% 1/16W R501 1-216-833-11 METAL CHIP 10K 5% 1/16W R501 1-216-845-11 METAL CHIP 10K 5%	B306	1-216-833-11	METAL CHIP	10K	5%	1/16W	1					
R308 1-216-833-11 METAL CHIP 10K 5% 1/16W R309 1-216-833-11 METAL CHIP 10K 5% 1/16W R310 1-216-833-11 METAL CHIP 10K 5% 1/16W R599 1-216-821-11 METAL CHIP 1K 5% 1/16W R599 1-216-821-11 METAL CHIP 10K 5% 1/16W R2 1-781-759-21 VIBRATOR, CERAMIC (CHIP TYPE) (10MHz) R313 1-216-842-11 METAL CHIP 56K 5% 1/16W R315 1-216-842-11 METAL CHIP 56K 5% 1/16W R319 1-216-842-11 METAL CHIP 56K 5% 1/16W R319 1-216-842-11 METAL CHIP 56K 5% 1/16W R319 1-216-842-11 METAL CHIP 56K 5% 1/16W R320 1-216-843-11 METAL CHIP 10K 5% 1/16W R501 1-216-833-11 METAL CHIP 10K 5% 1/16W R501 1-216-845-11 METAL CHIP							1					
R309 1-216-833-11 METAL CHIP 10K 5% 1/16W R599 1-216-821-11 METAL CHIP 1K 5% 1/16W R599 1-216-821-11 METAL CHIP 1K 5% 1/16W R599 1-216-821-11 METAL CHIP 1K 5% 1/16W R591 1-216-843-11 METAL CHIP 10K 5% 1/16W X1 1-781-758-21 VIBRATOR CHAPTYPE) (10MHz) X2 1-781-759-21 VIBRATOR CERAMIC (CHIP TYPE) (10MHz) X2 1-781-759-21 VIBRATOR CERAMIC (CHIP TYPE) (16MHz) X3 1-216-842-11 METAL CHIP 56K 5% 1/16W X2 1-781-759-21 VIBRATOR CERAMIC (CHIP TYPE) (16MHz) X3 1-216-842-11 METAL CHIP 56K 5% 1/16W X2 1-781-759-21 VIBRATOR CERAMIC (CHIP TYPE) (16MHz) X3 1-216-842-11 METAL CHIP 56K 5% 1/16W X2 1-781-759-21 VIBRATOR CERAMIC (CHIP TYPE) (16MHz) X2 1-781-759-21 VIBRATOR CERAMIC (CHIP TYPE) (16MHz) X2 1-781-759-21 VIBRATOR CERAMIC (CHIP TYPE) (16MHz) X3 1-216-842-11 METAL CHIP 56K 5% 1/16W X3 1-369-834-11 SUB (CD) BOARD X3 X3 X3 X3 X3 X3 X3 X												
R310 1-216-833-11 METAL CHIP 10K 5% 1/16W R599 1-216-821-11 METAL CHIP 1K 5% 1/16W R311 1-216-833-11 METAL CHIP 10K 5% 1/16W R313 1-216-842-11 METAL CHIP 56K 5% 1/16W X1 1-781-758-21 VIBRATOR, CERAMIC (CHIP TYPE) (10MHz) X2 1-781-759-21 VIBRATOR, CERAMIC (CHIP TYPE) (16MHz) X1 1-781-759-21 VIBRATOR, CERAMIC (CHIP TYPE) (16MHz) X2 1-781-759-21 VIBRATOR, CERAMIC (CHIP TYPE) (16MHz) X1 1-781-759-21 VIBRATOR, CERAMIC (CHIP TYPE) (16MHz) X2 1-781-759-21 VIBRATOR, CERAMIC (CHIP TYPE) (16MHz) X1 1-781-759-21 VIBRATOR, CERAMIC (CHIP TYPE) (16MHz) X1 1-781-759-21 VIBRATOR, CERAMIC (CHIP TYPE) (16MHz) X2 1-781-759-21 VIBRATOR, CERAMIC (CHIP TYPE) (16MHz) X1 1-781-759-21 VIBRATOR, CERAMIC (CHIP TYPE) (16MHz) X1 1-781-759-21 VIBRATOR,							11000	1 210 010 11	WEINE OIII	10010	0 70	171000
R311 1-216-845-11 METAL CHIP 10K 5% 1/16W R313 1-216-845-11 METAL CHIP 56K 5% 1/16W X1 1-781-758-21 VIBRATOR > R314 1-216-842-11 METAL CHIP 56K 5% 1/16W X2 1-781-759-21 VIBRATOR, CERAMIC (CHIP TYPE) (10MHz) X2 1-781-759-21 VIBRATOR, CERAMIC (CHIP TYPE) (10MHz) X2 1-781-759-21 VIBRATOR, CERAMIC (CHIP TYPE) (16MHz) X2							P500	1_016_001_11	METAL CHID	11/	50/-	1/16\//
R312							11099	1-210-021-11		IIX	J /0	1/1000
R313 1-216-842-11 METAL CHIP 56K 5% 1/16W R314 1-216-842-11 METAL CHIP 56K 5% 1/16W R315 1-216-842-11 METAL CHIP 56K 5% 1/16W R315 1-216-842-11 METAL CHIP 56K 5% 1/16W R317 1-216-842-11 METAL CHIP 56K 5% 1/16W R318 1-216-842-11 METAL CHIP 56K 5% 1/16W R319 1-216-842-11 METAL CHIP 56K 5% 1/16W R320 1-216-833-11 METAL CHIP 56K 5% 1/16W R322 1-216-833-11 METAL CHIP 10K 5% 1/16W R322 1-216-833-11 METAL CHIP 10K 5% 1/16W R322 1-216-833-11 METAL CHIP 10K 5% 1/16W R320 1-216-833-11 METAL CHIP 10K 5% 1/16W R320 1-216-833-11 METAL CHIP 10K 5% 1/16W R321 1-216-835-11 METAL CHIP 10K 5% 1/16W R321 1-216-835-11 METAL CHIP 10K 5% 1/16W R321 1-216-835-11 METAL CHIP 10K 5% 1/16W R501 1-216-835-11 METAL CHIP 10K 5% 1/16W R501 1-216-845-11 METAL CHIP 1	R311	1-216-833-11	METAL CHIP	10K	5%	1/16W			< VIBRATOR >			
R314 1-216-842-11 METAL CHIP 56K 5% 1/16W R315 1-216-842-11 METAL CHIP 56K 5% 1/16W R316 1-216-842-11 METAL CHIP 56K 5% 1/16W R317 1-216-833-11 METAL CHIP 56K 5% 1/16W R318 1-216-842-11 METAL CHIP 56K 5% 1/16W R319 1-216-842-11 METAL CHIP 56K 5% 1/16W R320 1-216-833-11 METAL CHIP 10K 5% 1/16W R321 1-216-845-11 METAL CHIP 10K 5% 1/16W R322 1-216-835-11 METAL CHIP 10K 5% 1/16W R503 1-216-835-11 METAL CHIP 10K 5% 1/16W R504 1-216-857-11 METAL CHIP 10M 5% 1/16W R505 1-216-837-11 METAL CHIP 10M 5% 1/16W R506 1-216-845-11 METAL CHIP 10M 5% 1/16W R507 1-216-845-11 METAL CHIP 100K 5% 1/16W R513 1-216-827-11 METAL CHIP 100K 5% 1/16W R514 1-216-827-11 METAL CHIP 100K 5% 1/16W R515 1-216-827-11 METAL CHIP 100K 5% 1/16W R516 1-216-827-11 METAL CHIP 100K 5% 1/16W R517 1-216-827-11 METAL CHIP 100K 5% 1/16W R518 1-216-827-11 METAL CHIP 100K 5% 1/16W R519 1-216-827-11 METAL CHIP 100K 5% 1/16W R510 1-216-827-11 METAL CHIP 100K 5% 1/16W R511 1-216-827-11 METAL CHIP 100K 5% 1/16W R512 1-216-827-11 METAL CHIP 100K 5% 1/16W R513 1-216-827-11 METAL CHIP 100K 5% 1/16W R513 1-216-827-11 METAL CHIP 100K 5% 1/16W R513 1-216-827-11 METAL CHIP 100K 5% 1/16W R510 1-216-827-11 METAL CHIP 100K 5% 1/16W R511 1-216-827-11 METAL CHIP 100K 5% 1/16W R512 1-216-827-11 METAL CHIP 100K 5% 1/16W R513 1-216-827-11 METAL CHIP 100K 5% 1/16W R513 1-216-827-11 METAL CHIP 100K 5% 1/16W R513 1-216-827-11 METAL CHIP 100K 5% 1/16W R514 1-216-827-11 METAL CHIP 100K 5% 1/16W R515 1-216-827-11 METAL CHIP 100K 5% 1	R312	1-216-845-11	METAL CHIP	100K	5%	1/16W						
R315 1-216-842-11 METAL CHIP 56K 5% 1/16W R316 1-216-842-11 METAL CHIP 56K 5% 1/16W R317 1-216-833-11 METAL CHIP 27K 5% 1/16W R318 1-216-842-11 METAL CHIP 56K 5% 1/16W R319 1-216-842-11 METAL CHIP 56K 5% 1/16W R320 1-216-833-11 METAL CHIP 10K 5% 1/16W R321 1-216-846-11 METAL CHIP 10K 5% 1/16W R322 1-216-833-11 METAL CHIP 15K 5% 1/16W R501 1-216-833-11 METAL CHIP 10K 5% 1/16W R501 1-216-833-11 METAL CHIP 10K 5% 1/16W R504 1-216-835-11 METAL CHIP 10W 5% 1/16W R505 1-216-839-11 METAL CHIP 10W 5% 1/16W R506 1-216-845-11 METAL CHIP 10W 5% 1/16W R507 1-216-845-11 METAL CHIP 3.3K 5% 1/16W R507 1-216-845-11 METAL CHIP 100K 5% 1/16W R507 1-216-845-11 METAL CHIP 10W 5% 1/16W R507 1-216-845-11 METAL CHIP 3.3K 5% 1/16W R511 1-216-845-11 METAL CHIP 3.3K 5% 1/16W R511 1-216-845-11 METAL CHIP 3.3K 5% 1/16W R513 1-216-827-11 METAL CHIP 3.3K 5% 1/16W R513 1-216-827-11 METAL CHIP 100K 5% 1/16W R513 1-216-827-11 METAL CHIP 2.3K 5% 1/16W R513 1-216-827-11 METAL CHIP 3.3K 5% 1/16W R513 1-216-827-11 METAL CHIP 3.3K 5% 1/16W R513 1-216-827-11 METAL CHIP 3.3K 5% 1/16W R513 1-26-827-11 METAL CHIP 3.3K 5% 1/16W R513 1-26-827-11 METAL CHIP 3.3K 5% 1/16W R514 CHIP 2.20PF 10% 50V	R313	1-216-842-11	METAL CHIP	56K	5%	1/16W	X1	1-781-758-21	VIBRATOR, CERA	MIC (CHIP	TYPE) (1	0MHz)
R316 1-216-842-11 METAL CHIP 56K 5% 1/16W R317 1-216-838-11 METAL CHIP 56K 5% 1/16W R319 1-216-842-11 METAL CHIP 56K 5% 1/16W R320 1-216-833-11 METAL CHIP 10K 5% 1/16W R322 1-216-835-11 METAL CHIP 15K 5% 1/16W R501 1-216-833-11 METAL CHIP 10K 5% 1/16W R503 1-216-845-11 METAL CHIP 10K 5% 1/16W R504 1-216-857-11 METAL CHIP 10K 5% 1/16W R504 1-216-857-11 METAL CHIP 10K 5% 1/16W R505 1-216-845-11 METAL CHIP 10K 5% 1/16W R506 1-216-857-11 METAL CHIP 10K 5% 1/16W R506 1-216-857-11 METAL CHIP 10K 5% 1/16W R507 1-216-845-11 METAL CHIP 100K 5% 1/16W R507 1-216-845-11 METAL CHIP 3.3K 5% 1/16W R511 1-216-845-11 METAL CHIP 100K 5% 1/16W R511 1-216-845-11 METAL CHIP 3.3K 5% 1/16W R511 1-216-845-11 METAL CHIP 100K 5% 1/16W R511 1-216-845-11 METAL CHIP 3.3K 5% 1/16W R511 1-216-845-11 METAL CHIP 100K 5%	R314	1-216-842-11	METAL CHIP	56K	5%	1/16W	X2	1-781-759-21	VIBRATOR, CERA	MIC (CHIP	TYPE) (1	6MHz)
R317 1-216-838-11 METAL CHIP 27K 5% 1/16W R318 1-216-842-11 METAL CHIP 56K 5% 1/16W R319 1-216-842-11 METAL CHIP 56K 5% 1/16W R320 1-216-833-11 METAL CHIP 10K 5% 1/16W R321 1-216-846-11 METAL CHIP 120K 5% 1/16W R322 1-216-835-11 METAL CHIP 15K 5% 1/16W R501 1-216-833-11 METAL CHIP 10K 5% 1/16W R503 1-216-845-11 METAL CHIP 10W 5% 1/16W R504 1-216-857-11 METAL CHIP 10M 5% 1/16W R505 1-216-839-11 METAL CHIP 10W 5% 1/16W R506 1-216-845-11 METAL CHIP 10W 5% 1/16W R507 1-216-845-11 METAL CHIP 33K 5% 1/16W R507 1-216-845-11 METAL CHIP 33K 5% 1/16W R507 1-216-845-11 METAL CHIP 100K 5% 1/16W R508 1-216-845-11 METAL CHIP 33K 5% 1/16W R509 1-216-845-11 METAL CHIP 10W 5% 1/16W R501 1-216-845-11 METAL CHIP 10W 5% 1/16W R503 1-216-845-11 METAL CHIP 33K 5% 1/16W R504 1-216-845-11 METAL CHIP 10W 5% 1/16W R505 1-216-845-11 METAL CHIP 33K 5% 1/16W R507 1-216-845-11 METAL CHIP 33K 5% 1/16W R508 1-216-845-11 METAL CHIP 3.3K 5% 1/16W R509 1-216-845-11 METAL CHIP 3.3K 5% 1/16W R501 1-216-845-11 METAL CHIP 3.3K 5% 1/16W R503 1-216-845-11 METAL CHIP 3.3K 5% 1/16W R504 1-216-845-11 METAL CHIP 3.3K 5% 1/16W R505 1-216-845-11 METAL CHIP 3.3K 5% 1/16W R506 1-216-845-11 METAL CHIP 3.3K 5% 1/16W R507 1-216-845-11 METAL CHIP 3.3K 5% 1/16W R508 1-216-845-11 METAL CHIP 3.3K 5% 1/16W R509 1-216-845-11 METAL CHIP 3.3K 5% 1/16W R	R315	1-216-842-11	METAL CHIP	56K	5%	1/16W	******					
R317 1-216-838-11 METAL CHIP 27K 5% 1/16W R318 1-216-842-11 METAL CHIP 56K 5% 1/16W R319 1-216-842-11 METAL CHIP 56K 5% 1/16W R320 1-216-833-11 METAL CHIP 10K 5% 1/16W R321 1-216-846-11 METAL CHIP 120K 5% 1/16W R322 1-216-835-11 METAL CHIP 15K 5% 1/16W R501 1-216-833-11 METAL CHIP 10K 5% 1/16W R503 1-216-845-11 METAL CHIP 10K 5% 1/16W R504 1-216-857-11 METAL CHIP 10M 5% 1/16W R505 1-216-839-11 METAL CHIP 10M 5% 1/16W R506 1-216-845-11 METAL CHIP 100K 5% 1/16W R507 1-216-845-11 METAL CHIP 33K 5% 1/16W R507 1-216-845-11 METAL CHIP 3.3K 5% 1/16W R513 1-216-827-11 METAL CHIP 100K 5% 1/16W R513 1-216-827-11 METAL CHIP 100K 5% 1/16W R513 1-216-827-11 METAL CHIP 100K 5% 1/16W R513 1-216-827-11 METAL CHIP 3.3K 5% 1/16W R513 1-216-827-11 METAL CHIP 3.3K 5% 1/16W R513 1-216-827-11 METAL CHIP 100K 5% 1/16W R514 1-246-827-11 METAL CHIP 100K 5% 1/16W R515 1-246-827-11 METAL CHIP 100K 5% 1/16W R516 1-246-827-11 METAL CHIP 100K 5% 1/16W R517 1-246-827-11 METAL CHIP 100K 5% 1/16W R518 1-246-827-11 METAL CHIP 100K 5	R316	1-216-842-11	METAL CHIP	56K	5%	1/16W	*	1-659-834-11	SUB BOARD			
R318	R317	1-216-838-11		27K	5%	1/16W			*****			
R319 1-216-842-11 METAL CHIP 56K 5% 1/16W R320 1-216-833-11 METAL CHIP 10K 5% 1/16W R321 1-216-846-11 METAL CHIP 120K 5% 1/16W R322 1-216-835-11 METAL CHIP 15K 5% 1/16W R501 1-216-833-11 METAL CHIP 10K 5% 1/16W R503 1-216-845-11 METAL CHIP 10K 5% 1/16W R504 1-216-857-11 METAL CHIP 1M 5% 1/16W R505 1-216-857-11 METAL CHIP 1M 5% 1/16W R506 1-216-845-11 METAL CHIP 100K 5% 1/16W R507 1-216-845-11 METAL CHIP 100K 5% 1/16W R508 1-216-845-11 METAL CHIP 100K 5% 1/16W R509 1-216-845-11 METAL CHIP 100K 5% 1/16W R509 1-216-827-11 METAL CHIP 100K 5% 1/16W R511 1-216-845-11 METAL CHIP 100K 5% 1/16W R511 1-216-845-11 METAL CHIP 100K 5% 1/16W R513 1-216-827-11 METAL CHIP 100K 5% 1/16W R514 1-216-827-11 METAL CHIP 100K 5% 1/16W R515 1-162-960-11 CERAMIC CHIP 220PF 10% 50V												
R320 1-216-833-11 METAL CHIP 10K 5% 1/16W R321 1-216-846-11 METAL CHIP 120K 5% 1/16W R322 1-216-835-11 METAL CHIP 15K 5% 1/16W R501 1-216-833-11 METAL CHIP 10K 5% 1/16W R503 1-216-845-11 METAL CHIP 10K 5% 1/16W R504 1-216-857-11 METAL CHIP 1M 5% 1/16W R505 1-216-839-11 METAL CHIP 10K 5% 1/16W R506 1-216-845-11 METAL CHIP 100K 5% 1/16W R507 1-216-845-11 METAL CHIP 100K 5% 1/16W R507 1-216-845-11 METAL CHIP 3.3K 5% 1/16W R507 1-216-845-11 METAL CHIP 3.3K 5% 1/16W R507 1-216-845-11 METAL CHIP 3.3K 5% 1/16W R511 1-216-845-11 METAL CHIP 3.3K 5% 1/16W R513 1-216-827-11 METAL CHIP 3.3K 5% 1/16W R513 1-216-827-11 METAL CHIP 3.3K 5% 1/16W R513 1-216-827-11 METAL CHIP 3.3K 5% 1/16W R514 1-216-827-11 METAL CHIP 3.3K 5% 1/16W R515 1-216-827-11 METAL CHIP 3.3K 5% 1/16W R516 1-216-827-11 METAL CHIP 3.3K 5% 1/16W R517 1-216-827-11 METAL CHIP 3.3K 5% 1/16W R518 1-216-827-11 METAL CHIP 3.3K 5% 1/16W R519 1-216-827-11 METAL CHIP 3.3K 5% 1/16W R510 1-216-827-11 METAL CHIP 3.3K 5% 1/16W R511 1-216-827-11 METAL CHIP 3.3K 5% 1/16W R512 1-162-960-11 CERAMIC CHIP 220PF 10% 50V									< CONNECTOR >			
R321 1-216-846-11 METAL CHIP 120K 5% 1/16W R322 1-216-835-11 METAL CHIP 15K 5% 1/16W R501 1-216-833-11 METAL CHIP 10K 5% 1/16W R503 1-216-845-11 METAL CHIP 10K 5% 1/16W R504 1-216-857-11 METAL CHIP 1M 5% 1/16W R505 1-216-839-11 METAL CHIP 33K 5% 1/16W R506 1-216-845-11 METAL CHIP 100K 5% 1/16W R507 1-216-845-11 METAL CHIP 33K 5% 1/16W R507 1-216-845-11 METAL CHIP 3.3K 5% 1/16W R507 1-216-845-11 METAL CHIP 3.3K 5% 1/16W R508 1-216-845-11 METAL CHIP 3.3K 5% 1/16W R509 1-216-827-11 METAL CHIP 3.3K 5% 1/16W												
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R322 1-216-835-11 METAL CHIP 15K 5% 1/16W R501 1-216-833-11 METAL CHIP 10K 5% 1/16W R503 1-216-845-11 METAL CHIP 10W 5% 1/16W R504 1-216-857-11 METAL CHIP 1M 5% 1/16W R505 1-216-839-11 METAL CHIP 33K 5% 1/16W R506 1-216-845-11 METAL CHIP 100K 5% 1/16W R507 1-216-845-11 METAL CHIP 3.3K 5% 1/16W R507 1-216-845-11 METAL CHIP 3.3K 5% 1/16W R507 1-216-845-11 METAL CHIP 3.3K 5% 1/16W R508 1-216-845-11 METAL CHIP 3.3K 5% 1/16W R509 1-216-827-11 METAL CHIP 3.3K 5% 1/16W R501 1-216-827-11 METAL CHIP 3.3K 5% 1/16W R502 1-216-827-11 METAL CHIP 3.3K 5% 1/16W R503 1-216-827-11 METAL CHIP 3.3K 5% 1/16W R504 1-216-827-11 METAL CHIP 3.3K 5% 1/16W R505 1-216-827-11 METAL CHIP 3.3K 5% 1/16W R507 1-216-827-11 METAL CHIP 3.3K 5% 1/16W R509 1-216-827-11 METAL CHIP 3.3K 5% 1/16W	R321	1-216-846-11	METAL CHIP	120K	5%	1/16W/	_				******	*******
R501 1-216-833-11 METAL CHIP 10K 5% 1/16W												
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R505 1-216-839-11 METAL CHIP 33K 5% 1/16W 8506 1-216-845-11 METAL CHIP 100K 5% 1/16W 8507 1-216-827-11 METAL CHIP 3.3K 5% 1/16W 8513 1-162-960-11 CERAMIC CHIP 220PF 10% 50V 8513 1-162-960-11 CERAMIC CHIP 220PF 10% 50V									****	•		
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R506 1-216-845-11 METAL CHIP 100K 5% 1/16W R507 1-216-827-11 METAL CHIP 3.3K 5% 1/16W R511 1-216-845-11 METAL CHIP 100K 5% 1/16W R513 1-216-827-11 METAL CHIP 3.3K 5% 1/16W C852 1-162-960-11 CERAMIC CHIP 220PF 10% 50V C853 1-162-960-11 CERAMIC CHIP 220PF 10% 50V	R505	1-216-839-11	METAL CHIP	33K	5%	1/16W	*			,	,	
R507 1-216-827-11 METAL CHIP 3.3K 5% 1/16W									(,		
R511 1-216-845-11 METAL CHIP 100K 5% 1/16W R513 1-216-827-11 METAL CHIP 3.3K 5% 1/16W C852 1-162-960-11 CERAMIC CHIP 220PF 10% 50V C853 1-162-960-11 CERAMIC CHIP 220PF 10% 50V									< CAPACITOR >			
R513 1-216-827-11 METAL CHIP 3.3K 5% 1/16W C852 1-162-960-11 CERAMIC CHIP 220PF 10% 50V C853 1-162-960-11 CERAMIC CHIP 220PF 10% 50V												
C853 1-162-960-11 CERAMIC CHIP 220PF 10% 50V							C852	1-162-960-11	CERAMIC CHIP	220PF	10%	50V
	11010	. 210 021 11	WEINE OITH	0.010	J /0	1/ 1000	1					
	R516	1-216-845-11	METAL CHIP	100K	5%	1/16W		1 102 000 11	OZIWWIIO OIIII	LLVII	10/0	001

SUB (CD)

Remark

Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	
1101. 110.	rarrivo.	· · · · · · · · · · · · · · · · · · ·	<u>rtomant</u>	1101. 140.	<u>r urr rvo.</u>	******	
		< CONNECTOR >				HARDWARE LIST	
CN852	1-794-064-12	SOCKET, CONNECTOR 14P				*********	
		< DIODE >		#1		SCREW +PTT 2.6X	
				#2		SCREW +PTT 2.6X	ô (S)
D851		DIODE DF5A6.8FU(TE85R) DIODE DF5A6.8FU(TE85R)		#3		SCREW +B 2X5 SCREW +BVTP 3X8	TVDEO N. C
D852 LED851		LED CL-270SR-C-TS (INSERT MAI	RK)	#4 #5		SCREW +BVTP 3X0	-
LLDOOT	0 7 10 002 00	ELD OL 270011 0 10 (INOLITI INITI	illy	""	7 000 701 00	CONEW II II 2.0X	10 (0)
		< SWITCH >		#6	7-685-793-09	SCREW +PTT 2.6X	8 (S)
				#7		SCREW +PTT 2.6X	
LSW851	1-771-883-11	SWITCH, TACTILE (WITH LED) (♠)		#8		SCREW +P 2X8 TY	
		< RESISTOR >		#9 #10		SCREW, PRECISIO SCREW, PRECISIO	
		(NEOIOTOTT)		// 10	7 027 000 17	OUNLEVV, I ILLOIDIO	N TI ZXZ III LO
R855	1-219-286-11	METAL CHIP 680 2%	1/16W	#11	7-628-253-00	SCREW +PS 2X4	
R856	1-219-286-11		1/16W	#12	7-627-850-28	SCREW, PRECISIO	N +P 1.4X3
******	*********	*********	******	#13		SCREW +PS 2X5	
		MICCELLANICOLIC		******	**********	*******	*********
		MISCELLANEOUS ************			PARTS F∩R IN	STALLATION AND C	ONNECTIONS

9	1-776-207-72	CORD (WITH CONNECTOR) (POWE	R)				
			50X/CA860X)	251	X-3373-602-1		
9	1-776-527-71	CORD (WITH CONNECTOR) (ISO) (I	,	252		SCREW, FITTING (
0.4	1 700 105 11	04 D. F. ELEVIDI E EL 4T (44 00 DE)	(CA850)	253		BUSHING (CA850)	
24 201		CABLE, FLEXIBLE FLAT (14 CORE)	01)	254 255		SCREW ASSY (EXF	
207	1-659-880-11	CHASSIS (OP) ASSY (including M9) MOTOR FLEXIBLE BOARD	01)	200	3-924-901-01	SUPPORT (ND), FI	TTING (CAOSUA/CA
201	1 000 000 11	MOTORT EEXIBLE BOXES		256	7-682-160-01	SCREW +P 4X6 (CA	A850X/CA860X)
1 1 1 1 1 1 1 1	8-820-103-03	PICK-UP, OPTICAL KSS-720A/K1RP)	257		SCREW ASSY, FITT	
212	1-676-707-21	PICK-UP FLEXIBLE BOARD		258	3-040-979-01		,
F901		FUSE (BLADE TYPE) (AUTO FUSE)	10A	259		SCREW, +K (5X8)	
M902		MOTOR ASSY, SLED (SLED)		260	1-465-459-21	ADAPTOR, ANTENI	NA (CA850)
M903		MOTOR SUB ASSY, LD (LOADING)	s also also also also also also also als	261	2 041 000 01	SPRING. FITTING	
				262		CORD (WITH CON	JECTOR) (POWER
	ACCESSORIES	& PACKING MATERIALS				COND (WITH COM	(CA850
	*********	********		263	1-776-527-71	CORD (WITH CON	JECTOR) (ISO) (PO
			(0.000)				. =
		REMOTE COMMANDER (RM-X113)		264		SCREW +KTP 3X12	
	1-470-340-41	REMOTE COMMANDER (RM-X112)	50X/CA860X)	265	3-231-301-01	STRAP (ROTARY C	OWNINANDER) (IOI
	1-476-589-11	REMOTE COMMANDER (RM-X5S)	3074 07100071)	* 266	3-671-893-00	CLAMP (LOW TYPI	E) (for RM-X5S)
	3-020-953-01	LABEL (MODE) (for RM-X5S)		267	X-3373-432-1	BRACKET ASSY (fo	ır RM-X5S)
	3-229-196-11	,		251		254	255
		DUTCH,ITALIAN,GERM	IAN) (CA850)		ı		¬
	3-229-196-21	MANUAL, INSTRUCTION (ENGLISH	SPANISH	The second		252 253	S
	0 220 100 21	SWEDISH, PORTUGUESE. GREE		Still .		5	
	3-229-198-11	MANUAL, INSTRUCTION (ENGLISH	FRENCH,				
		SPANISH) (CA85	,	257		258	259
	3-229-199-11	MANUAL, INSTRUCTION, INSTALL		256			
	3-229-200-11	FRENCH, SPANISH) (CA85 MANUAL, INSTRUCTION, INSTALL	,				
	0-223-200 - 11	FRENCH, DUTCH, ITALIA	,		v		
			(CA850)	260	261	262	263
	3-229-200-21	MANUAL, INSTRUCTION, INSTALL	•	200	~~ ~~	LUL	203
		SPANISH,SWEDISH,PO					
		GREE	EK,RUSSIAN)			×2	
	3-230-540-01	LID, BATTERY CASE (for RM-X112/	X113\	267		× 2	
		CASE (PANEL) ASSY (for FRONT PA	,	264		265	266
******		**********	,				200
					1		

(CA850) P), FITTING (CA850) ITTING (CA850X/CA860X) CA850X/CA860X) TING (CA850X/CA860X) TAPPING INA (CA850) INECTOR) (POWER) (CA850X/CA860X) INECTOR) (ISO) (POWER) (CA850) 2 TYPE4 (for RM-X5S) COMMANDER) (for RM-X5S) PE) (for RM-X5S) or RM-X5S) 255 3 9 259 263 266 The components identified by Les composants identifiés par une $mark \mathrel{{\triangle}} or dotted \ line \ with \ mark$ marque \triangle sont critiques pour ⚠ are critical for safety. la sécurité. Replace only with part number Ne les remplacer que par une piéce specified.

REVISION HISTORY

Clicking the version allows you to jump to the revised page. Also, clicking the version at the upper right on the revised page allows you to jump to the next revised page.

Ver.	Date	Description of Revision Change the page of exploded views.
1.1	2001. 04	Change the page of exploded views.
1.0	2001. 02	New
	<u> </u>	